



# IDENTIFICATION & LABELLING *systems*



MAKING THE RIGHT CONNECTIONS



*This catalogue illustrates our identification and labelling systems.*

*For each product family the principal features are indicated, along with typical applications and the necessary guidelines for correct application.*

*Our sales personnel are at your disposal to provide more detailed information and our design and development engineers are available to study new solutions for particular applications.*



*All Cembre products comply with Directive 2011/65/EU of the European Parliament and Council dated 8 June 2011 (and subsequent amendment)*



*On 14th December 1990 Cembre SpA Quality Management*

*System was certified by Lloyd's Register of Quality Assurance*

*(LRQA) according to ISO 9002:1987 EN 29002 - 1987 BS 5750: Part 2: 1987 for the manufacture of insulated and uninsulated copper crimping connectors.*

*Then on 22nd December 1992 Cembre SpA was certified ISO 9001 for the design and manufacture of cable accessories, electrical connectors and associated tools.*

*The activities of the main premises in Brescia, the Italian regional offices and the subsidiary companies in Great Britain, France, Spain, Germany and USA are governed by a single Quality System, assessed by Lloyd's Register of Quality as conforming to the ISO 9001:2008 norm, for the design, manufacture and sales of electrical connectors and associated tools, cable accessories, marking systems, tooling and products for railway applications. In house repair, refurbishment and calibration of tooling.*

*This guarantees a homogeneous and high quality level of the products and services that Cembre offers to its customers.*



*Cembre S.p.A. has recently recognised the need to align its Environmental Management System with the spirit and*

*content of UNI EN ISO 14001: 2004 as fundamental to future development.*

*To this end the company undertook a wide-ranging review of all functions including development and design stages, material selection, usage and manufacturing processes.*

*The resulting definition of operational procedures in line with these aims and provisions has enabled Cembre S.p.A. to achieve Environmental Certification, further highlighting the companies sensitive and careful approach to environmental protection.*



*Cembre S.p.A. has recently enhanced its business processes with the certification*

*by Lloyd's Register of Quality Assurance, of its Management System for the Health and Safety of Workers, in accordance with the standard OHSAS18001:2007 (Occupational Health and Safety Management System).*

*The project, launched in early 2011, was strategically designed to facilitate the active participation of all employees at every level in the application of systems management, in order to optimise compliance of risk management capability with regard to laws and regulations concerning the health and safety of workers.*

*All employees have received exhaustive training and are involved, by exercising their individual responsibility and competence, as key players in the identification of residual risk situations and the proposal of corrective solutions.*

*For Cembre then, this certification is not only the proper recognition of the quality of work performed, but also an incentive to maintain a determined competitive advantage in increasingly difficult and aggressive international markets.*

**Cembre S.p.A. Group head office, Brescia, Italy**



**Cembre Ltd, Birmingham, UK**

**Cembre Inc. Edison, New Jersey, USA**



*Cembre Ltd is one of the production units in the Cembre group. Since its establishment in December 1986, the company has enjoyed years of continuous growth. Its main office, laboratory and works are located in Curdworth, near Birmingham, while its active sales force serves customers throughout the UK and Ireland.*



*Operative since March 1999, Cembre Inc. based in Edison, NJ, provides full stock of our products available to customers, technical assistance and repair capabilities with immediate availability of spare-parts. Our head-office in Edison serves the United States, Canada and Mexico.*



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All Cembre products comply with Directive 2011/65/EU of the European Parliament and Council dated 8 June 2011 (and subsequent amendment)



Meets the requirements for fire testing of materials and components for trains EN 45545-2:2013

0.5 mm



Type and thickness (mm) of the Material



Halogen Free



Silicon Free



MIN. Operating temperature range



MAX. Operating temperature range



Self extinguishing class



Product's Series, PVC rigid thickness 0,5 mm

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## Identification and labelling systems

Cembre offers a number of innovative solutions to meet demands for high performance and reliability in the industrial and manufacturing sectors.



### THERMAL TRANSFER SHEET PRINTER MARKINGENIUS®

The revolution in identification systems, MARKINGENIUS®MG3 is a high speed flat bed printer using thermal transfer technology to produce identification and labelling media for cables and tubing, panel building components and equipment of all types. Windows® based, the high resolution MARKINGENIUS®MG3 prints monocolour True Type fonts, while also reproducing Clipart images, drawings and bitmaps down to very small dimensions.



### THERMAL TRANSFER ROLL PRINTER ROLLY2000

ROLLY2000 is designed for high speed printing of identification and labelling media in roll format.

Thermal transfer print quality matched with robust construction and intensive Cembre reliability allow ROLLY2000 to print 1000 cable tags in less than two minutes.

ROLLY2000TR1 is more specifically equipped to print TERMO-ROLL heat shrinkable tubing in continuous or ladder format at high speed and with the precision and quality of print required to meet the most stringent standards.

### MANUAL SYSTEM

Provides simple solutions for the identification of cables and electrical components with four families of products:

- *push in cable markers- individual characters are collected in order on the insertion tool, then pushed into the transparent holder mounted on the cable.*
- *push on ring markers and flat tie on holder markers used directly on cables, tubing and conduits.*
- *snap on cable markers which can be fitted even after cables are terminated and connected.*
- *wraparound self laminating cable markers available for a wide range of diameters and may be hand printed then attached at any time. Ideal for applications requiring the print to be protected.*



### LABELS

Warning, prohibition and mandatory signs, on A4 sheets.

# HOW TO MARK

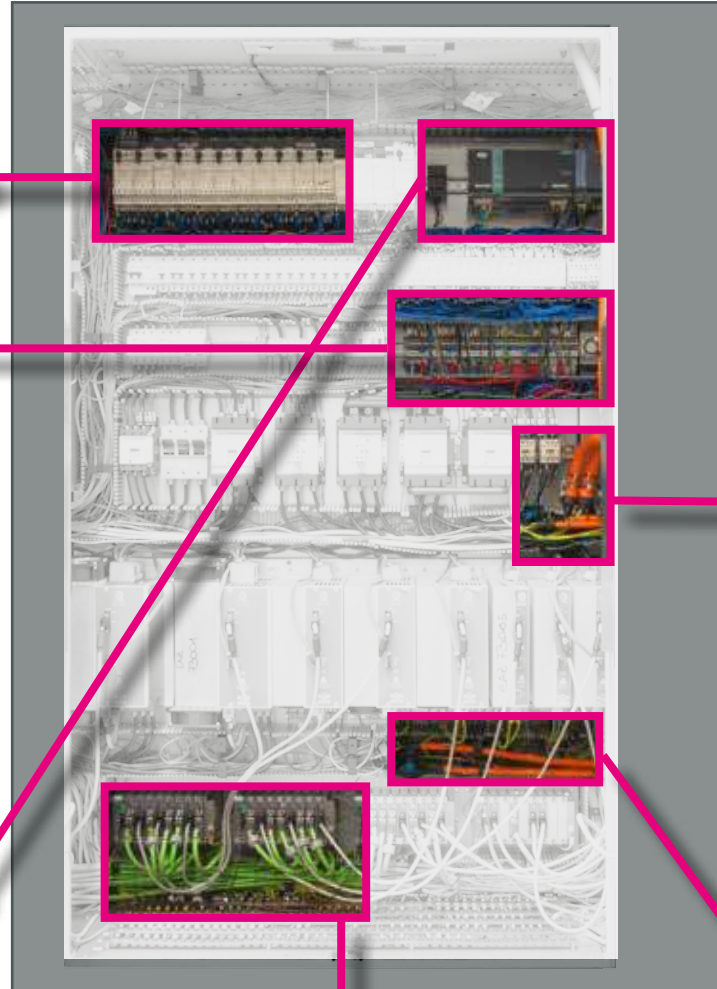
## How to mark

### MODULAR COMPONENTS

- legends
- labels
- brand-specific legends
- mounting rails



### PANEL INTERIORS



### TERMINAL BLOCKS

- widest brand suitability
- pitched and single markers
- marker strips
- marker labels



### COMPONENTS & EQUIPMENT

- PLC legends
- rail mounted legends
- brand-specific legends
- dog tags
- rating plates and labels
- security labels



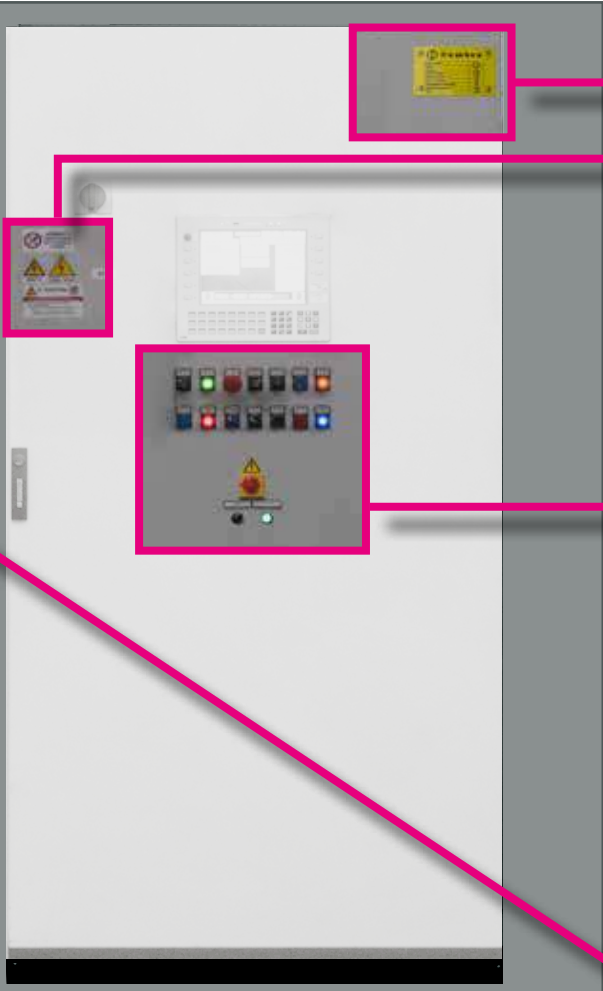
### SINGLE CABLES

- cable tags for holders
- one piece push or clip-on cable tags
- wraparound cable markers
- heat shrinkable tubing
- push in markers
- ring cable markers
- wraparound strips
- snap on markers



# HOW TO MARK

## PANEL EXTERIORS



## PLATES & LABELS



- self adhesive panel plates
- panel plates with covers
- self adhesive component legends
- modular component legends for rails
- self adhesive labels
- security labels
- panel legends
- document holders

## PUSH BUTTONS & INDICATORS



- self adhesive legends
- legends for push button bases
- brand-specific legends
- push button legends
- panel legends
- self adhesive labels

## CONNECTORS



- self adhesive legends & labels

## CONDUITS, PIPES & MULTI-CORE



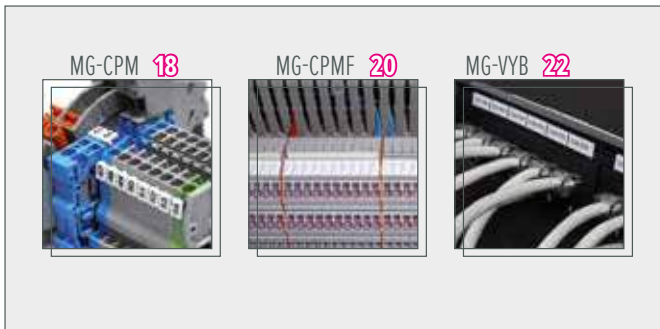
- tie-on cable and conduit tags
- wraparound cable markers
- heat shrinkable tubing

# HOW TO MARK

## SINGLE CABLES



## TERMINAL BLOCKS



## CONNECTORS



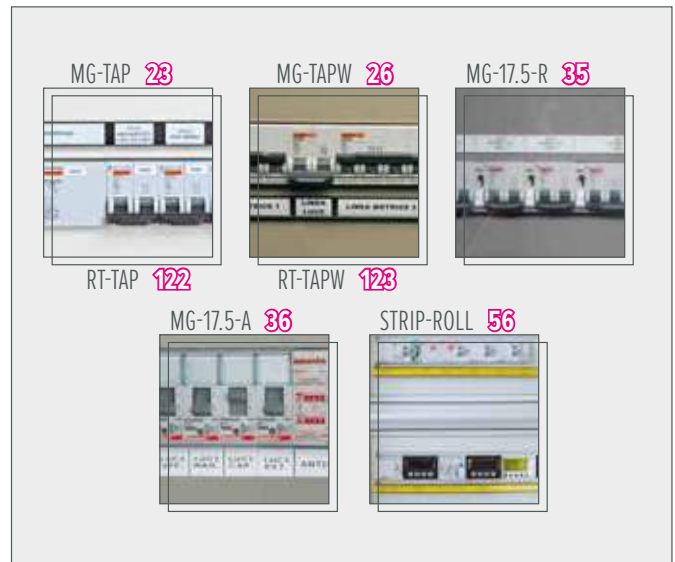
## How to mark

PRODUCT PAGE

## CONDUITS, PIPES & MULTI-CORE



## MODULAR COMPONENTS






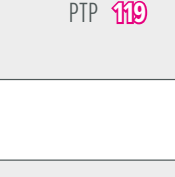
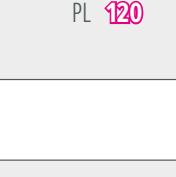









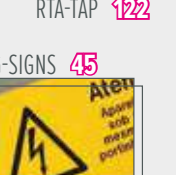

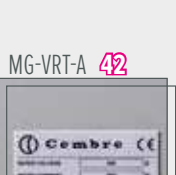
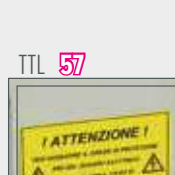






## COMPONENTS & EQUIPMENT

<p>MG-TPMF 12</p>  <p>TPM-ROLL 51</p>	<p>MG-TPM 13</p>  <p>MG-TPM 13</p>	<p>MG-SPM 22</p>  <p>MG-SPM 22</p>	<p>MG-TAR 27</p>  <p>MG-TAR 27</p>	<p>MG-TAA 29</p>  <p>MG-TAA 29</p>	<p>MG-SAT 34</p>  <p>MG-SAT 34</p>
<p>PMF-AC 106</p>  <p>MG-PLC 33</p>	<p>PM-AC 101</p>  <p>MG-VYT 30</p>	<p>MG-PYT 31</p>  <p>MG-PYT 31</p>	<p>MG-DOG 28</p>  <p>MG-DOG 28</p>	<p>MG-VCT 32</p>  <p>MG-VCT 32</p>	
<p>SIGNS 126</p>  <p>SIGNS 126</p>	<p>MG-TAP 23</p>  <p>MG-TAP 23</p>	<p>MG-TAPW 26</p>  <p>MG-TAPW 26</p>	<p>PMT-AC 111</p>  <p>PMT-AC 111</p>	<p>RT-TAP 122</p>  <p>RT-TAP 122</p>	<p>RT-TAP 122</p>  <p>RT-TAP 122</p>

## PUSH BUTTONS, SWITCHES & INDICATORS

<p>MG-TAA 29</p>  <p>MG-TAA 29</p>	<p>MG-PTS 25</p>  <p>MG-PTS 25</p>	<p>MG-TAP 23</p>  <p>MG-TAP 23</p>	<p>MG-SIGNS 45</p>  <p>MG-SIGNS 45</p>	<p>MG-VYT 30</p>  <p>MG-VYT 30</p>
		<p>PTP 119</p>  <p>PTP 119</p>	<p>PL 120</p>  <p>PL 120</p>	

## PLATES, LABELS & SIGNS

<p>MG-TAP 23</p>  <p>MG-TAP 23</p>	<p>MG-TAPW 26</p>  <p>MG-TAPW 26</p>	<p>MG-VYT 30</p>  <p>MG-VYT 30</p>	<p>MG-PYT 31</p>  <p>MG-PYT 31</p>	<p>MG-SAT 34</p>  <p>MG-SAT 34</p>
<p>RTA-TAP 122</p>  <p>RTA-TAP 122</p>	<p>PLA 120</p>  <p>PLA 120</p>	<p>RTA-TAPW 123</p>  <p>RTA-TAPW 123</p>	<p>ARMADIG 6</p>  <p>ARMADIG 6</p>	<p>ATTENZIONE!</p>  <p>ATTENZIONE!</p>
<p>MG-SIGNS 45</p>  <p>MG-SIGNS 45</p>	<p>GMCK 39</p>  <p>GMCK 39</p>	<p>MG-VRT-R 40</p>  <p>MG-VRT-R 40</p>	<p>MG-VRT-A 42</p>  <p>MG-VRT-A 42</p>	<p>TTL 57</p>  <p>TTL 57</p>
		<p>CPT 124</p>  <p>CPT 124</p>		<p>TPD 125</p>  <p>TPD 125</p>


 SIGNS 126

# GENIUSPRO



## Software

for all Cembre printers

GENIUSPRO is the latest software developed by Cembre.

- Simple and intuitive
- Operator needs only basic computer skills
- Enhanced features include full size Dynamic Preview
- assures increased capability and performance when printing text, symbols and images on Cembre MARKINGENIUS® and ROLLY2000.

MARKINGENIUS® and ROLLY2000 systems are delivered complete with power & connection cables and GENIUSPRO software including a universal driver for Windows® to ensure compatibility.

### Software features

Easy data insertion

More than ten types of counter

\*.txt, \*.cad, \*.dbf, \*.xls and other file types can be imported

MATRIX, ACS and Simplo conversion

Spac, EPLAN, IGE-XAO and Excel importation

Customisable print output filters

Optimised printing of media for cables, terminal blocks, control gear, connectors, push buttons, components, panels and self adhesive labels

All Windows fonts

Designs customised media

Vector, drawing and clip art printing

Free upgrades with each release

Help function

### Minimum system requirements

PC Processor Intel®Core™ i3 or equivalent

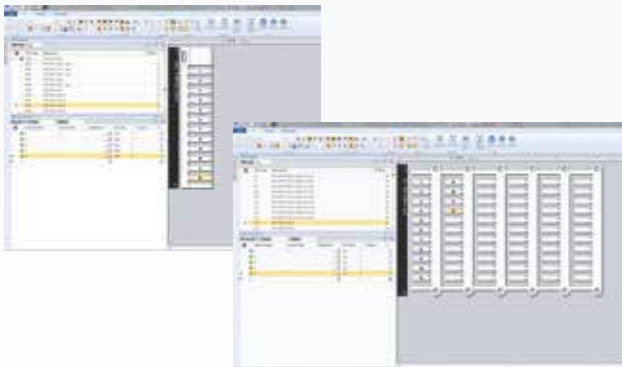
4 Gb RAM

USB connection

2 Gb available hard disc space

Video resolution 1280x1024

Windows 7, 8 and 10



[www.cembre.com](http://www.cembre.com) - [www.cembre.co.uk](http://www.cembre.co.uk) - [www.cembreinc.com](http://www.cembreinc.com)



### System-lifetime support

- free software updates
- pre-purchase trials
- free of charge training and support every working day, by phone, remote computer access via internet or site visit
- samples of available media for customer approval and new media developments welcome
- loan machine when printer returned for service.



Software	Quantity	Description
GENIUSPRO-5L	1	Software GENIUSPRO - 5 Licenses
GENIUSPRO-1L	1	Software GENIUSPRO - 1 Licence

## Thermal transfer printer for sheet media



*on sheet media, plug&play*

MARKINGENIUS®MG3 has been exclusively designed by Cembre for the identification of conductors and electrical components.

MARKINGENIUS®MG3 is a high resolution plug&play flat bed printer based on thermal transfer technology, capable of producing tags for cables, pipes and tubes; terminal block markers and legends and labels for all electrical panels, components and equipment. All Cembre MG media can be printed with monochrome Windows True Type fonts at high speed.

MARKINGENIUS®MG3 will also reproduce Clipart images, drawings, barcodes and bitmaps down to very small sizes.

Compact, ergonomic, clean and quiet MARKINGENIUS®MG3 may be conveniently located in an office, like any other computer peripheral.

**Each monochrome ribbon can print more than 300.000 MG-TPMF 4x10 mm cable tags with full printable surface coverage.** Carriage loading and unloading operations are rapid; support templates are easily interchanged and as the pigment deposited from the ribbon dries instantaneously, printed sheets are immediately ready to use.

Printer dimensions:

- *Length:*        382 mm            15.04 in.
- *Width:*        230 mm            9.05 in.
- *Height:*       221 mm            8.7 in.
- *Weight:*       7,4 kg              21.16 lbs.

# MG3

C e m b r e

THERMAL TRANSFER



### SPEED

prints 112 4x10 cable tags in less than 12 seconds

### CONVENIENCE

software provides quick and easy upload of the data to be printed

### ECONOMY

prints around 300.000 4x10 cable tags with a single ribbon

### QUALITY

printer resolution 300x600 dpi

#### Printer MG3

- MG2-PWC 991000 Support template for tags MG-TPM
- MG2-PLT 991002 Support template for serieFLAT media
- MG2-QTB 991011 Support template for terminal blocks
- Mains cable
- USB cable
- Protective cover MG2-COV 991680
- Ribbon take up core MG2-CRB 991654
- Black printer ribbon MG2-ETR 991600
- Installation, Operating&Maintenance and User documentation
- Software GENIUSPRO on CD



*Supplied with the three most useful support templates*

software GENIUSPRO .....	page 8
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# ACCESSORIES

MARKINGENIUS®

## Support templates and accessories

for thermal transfer printer



VAL MG  
 Transportation case  
 Dimensions  
 Length: 425 mm (16.73 in.)  
 Width: 285 mm (11.22 in.)  
 Height: 400 mm (15.75 in.)  
 Weight: 6 Kg (13.2 lbs.)



Support template	Quantity	PET blank	Quantity	for printing
MG2-PWC 991000	1	MG2-TWC 991502	3	MG-TPM
MG2-PLT 991002	1	MG2-TLT 991522	3	serieFLAT
MG2-QTB 991011	1	MG2-TQT 991564	3	MG-CPM-01,-02,-03,-04,-07,-11, MG-SPM-03
MG2-PTD 991007	1	MG2-TTD 991563	3	MG-TDM (4 x 12 mm)
MG2-PTM 991010	1	MG2-TTM 991561	3	MG2-TDM0, MG-TDM 4 x 16 mm
MG2-MTB 991008	1	MG2-TMT 991513	3	MG-CPM-01 (5 x 7mm)
MG2-WTB 991004	1	MG2-TWT 991542	3	MG-CPM-05,-12, MG-SPM-09
MG2-STB 991005	1	MG2-TST 991552	3	MG-CPM-06
MG2-LTB 991013	1			MG-CPM-09
MG2-CTB 991006	1	MG2-TCT 991562	3	MG-CPM-10
MG2-ETB 991016	1			MG-CPM-13
MG2-PSB 991554	1			MG-CPM-15
MG2-PSP 991018	1	MG2-TSP 991514	3	MG-SPM-02

Accessories	Quantity	Description
MG2-CKP 991670	1	Print head cleaning kit (template, pad & cleaning fluid)
MG2-CNP 992150	1	Replacement pads for MG2-CKP (5 pieces)
MG2-CHS 991671	1	Replacement spray for MG2-CKP
MG2-SPD1	1	Ribbon feed spool for MG2-EPTR
MG2-KDF	1	Media guide
VAL MG	1	MARKINGENIUS® transportation case with wheels



support templates and blanks for MG3 printer  
 accessories for optimum printer condition

SUPPLIED

PURCHASE SEPARATELY

## Monochrome ribbons

for thermal transfer printer

MG2-ETR monochrome ribbons are formulated to produce high quality print on a variety of materials while providing resistance to abrasion, chemicals, cleaning products and environmental agents (eg UV, humidity). Ribbon length 200m, width 120mm.

MG2-EPTR PREMIUM black ribbon has enhanced performance characteristics, details available on request. A smaller diameter rear tension roller is required for MG2 and MG3 and will be supplied to MG-EPTR users on request. **Use this ribbon to print -HF items.**

# RIBBONS



Code	black	blue	red	green	silver	white	Width mm	Length m	Quantity
MG2-ETR	991600	991601	991602	991603	991607	991606	120	200	1
MG2-EPTR PREMIUM	991611						110	300	1

The legibility of print produced on Cembre media by MG2-ETR and MG2-EPTR black ribbons meets the requirements of:

- EN ISO 4892-2:** UV resistance
- CEI 16-7:** Resistance to abrasion and friction
- CEI 16-7:** Effect of ageing
- CEI 23-11 / CEI EN 61058-1:** Indelibility
- CEI EN 61010-1 / VDE 0411-1:** Indelibility
- Test interno Cembre:** Indelibility
- EN ISO 9227:** Saline mist
- CEI EN 60464-2:** Resistance to solvent vapour
- DIN 30643:** Resistance to abrasion and rubbing
- UNI EN ISO 175:** Effect of immersion in liquid chemicals



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i

printer MG3 ..... page 9

# MG-TPMF

MARKINGENIUS®

## Cable tags for holders



precut 4mm push in markers, easy entry for PMF holders

SerieFLAT MG-TPMF tags are used for marking cables, conduit, tubes, conductors and components.

Presented in stem format, tags are simply snapped off their stems and inserted into the appropriate holders. Consult us for other colours.

Note: UV resistance may vary between colours.



**Material:** Rigid PVC, self extinguishing class V0: UL94

**Operating temperature range:** -30°C (-22°F) to +60°C (+140°F)

**Material -HF:** Polycarbonate, Halogen Free, self extinguishing class V0: UL94

**Operating temperature range:** -40°C (-40°F) to +130°C (+266°F)



Size mm	white	yellow	grey	red	blue	green	black	Tags per sheet	Quantity	SW code
4 x 10	42090B	42040B	42010B	42020B	42050B	42060B	42000BGY	112	5.600	502
4 x 12	42091B	42041B	42011B	42021B	42051B	42061B	42001BGY	80	4.000	505
4 x 15	42092B	42042B						80	4.000	503
4 x 20	42093B	42043B		42023B	42053B	42063B		64	1.600	504
4 x 30	42096B	42046B		42026B	42056B	42066B		48	1.200	509
4 x 40	42097B	42047B						32	800	508



Size mm	white	yellow	metallic grey	Tags per sheet	Quantity	SW code
4 x 10	42090B-HF	42040B-HF	42000B-HF	112	5.600	502
4 x 12	42091B-HF	42041B-HF	42001B-HF	80	4.000	505
4 x 15	42092B-HF	42042B-HF		80	4.000	503
4 x 20	42093B-HF	42043B-HF		64	1.600	504
4 x 30	42096B-HF	42046B-HF		48	1.200	509
4 x 40	42097B-HF	42047B-HF		32	800	508



Use the MG2-EPTR PREMIUM ribbon to print -HF items

support template MG2-PLT with PET blank MG2-TLT .....	page 10
ribbons .....	page 11
tag holders PMF .....	page 98
tag holders PMF-AC .....	page 106
tag holders PMF-ET .....	page 107

## Cable tags for holders

4mm push in markers, for PM holders

MG-TPM tags are used for marking cables, conduit, tubes and equipment.

Presented in stem format, tags are simply snapped off their stems and inserted into the appropriate holders.

**Material:** ABS, self extinguishing class V0: UL94

**Operating temperature range:** -30°C (-22°F) to +80°C (+176°F)

# MG-TPM



Size mm	white	yellow	Tags per sheet	Quantity	SW code
4 x 10	40090	40040	45	2.250	1
4 x 12	40091	40041	45	2.250	2
4 x 15	40092	40042	45	2.250	3

Use the MG2-EPTR PREMIUM ribbon to print -HF items.

support template MG2-PWC with PET blank MG2-TWC .....	page 10
ribbons .....	page 11
tag holders PM .....	page 101
tag holders light PM-L .....	page 105
tag holders PM-AC .....	page 108
tag holders PM-ET .....	page 109
tag holders PM-DT .....	page 110



# MG-TDM

MARKINGENIUS®

## Cable tags without holder

*one piece, push on*

MG-TDM one piece tags require no transparent holders and are mounted on cables via the two range-taking apertures.

Each sheet of media takes around 10 seconds to print.

Tags are easily removed from the stems and partially printed sheets may be reused to avoid wastage.

- It is advisable to select the tag based on the actual external diameter of the cable rather than its indicative c.s.a, due to variations in insulation thickness and conductor format.

**Material -HF:** Polycarbonate, Halogen Free, self extinguishing class V0: UL94.

**Operating temperature range:** -40°C (-40°F) to +130°C (+266°F)



Cable ext.Ø range mm	Cable c.s.a range mm²	Size mm		white	yellow	N° Stems	Tags per sheet	Quantity	Template	SW code
1,6 ÷ 3,25	0,5 ÷ 1,5	4 x 12	MG-TDM-01	40190	40140	6	66	1.320	MG2-PTD	121
1,6 ÷ 3,25	0,5 ÷ 1,5		MG-TDM-01	40192	40142	4	40	800	MG2-PTM	119
1,6 ÷ 3,25	0,5 ÷ 1,5	4 x 16	MG-TDM-01	40191	40141	4	40	800	MG2-PTM	123
2 ÷ 44	1 ÷ 6	4 x 12	MG-TDM-02	40290	40240	6	66	1.056	MG2-PTD	122
2 ÷ 44	1 ÷ 6		MG-TDM-02	40292	40242	4	40	640	MG2-PTM	120
2 ÷ 44	1 ÷ 6	4 x 16	MG-TDM-02	40291	40241	4	40	640	MG2-PTM	124



Directly on cables according to the diameter ranges shown in the table.  
No transparent holders required

**PURCHASE SEPARATELY**

support templates and PET blanks..... page 10  
ribbons..... page 11



## Cable tags without holder

one piece, clip on

MG2-TDMO one piece tags require no transparent holders and are mounted on cables via the two range-taking apertures.

Each sheet of media has 40 tags and takes around 10 seconds to print.

Tags are easily removed from the stems and partially printed sheets may be reused to avoid wastage.

- It is advisable to select the tag based on the actual external diameter of the cable rather than its indicative c.s.a, due to variations in insulation thickness and conductor format.

**Material -HF:** Polycarbonate, Halogen Free, self extinguishing class V0: UL94.

**Operating temperature range:** -40°C (-40°F) to +130°C (+266°F)

# MG2-TDMO



PC
HF
SF
-40°C
+130°C
UL94 V0
RoHS COMPLIANT 2011/65/EU

Cable ext. Ø range mm	Cable c.s.a range mm <sup>2</sup>	Size mm		white	yellow	Tags per sheet	Quantity	SW code
2 ÷ 2,9	0,5 ÷ 1,5	4 x 12	MG2-TDMO-01	40390	40340	40	880	125
2 ÷ 2,9	0,5 ÷ 1,5	4 x 16	MG2-TDMO-01	40391	40341	40	880	128
2,9 ÷ 3,5	1,5 ÷ 2,5	4 x 12	MG2-TDMO-02	40490	40440	40	640	126
2,9 ÷ 3,5	1,5 ÷ 2,5	4 x 16	MG2-TDMO-02	40491	40441	40	640	129
4 ÷ 4,6	4 ÷ 6	4 x 12	MG2-TDMO-03	40590	40540	40	560	127
4 ÷ 4,6	4 ÷ 6	4 x 16	MG2-TDMO-03	40591	40541	40	560	130



## Support for MG2-TDMO cable tags

Each TDMOS support allows any size of MG2-TDMO tag to be used to mark cables with larger o.d 6 –14 mm typically 16, 35 and 70 mm<sup>2</sup>.

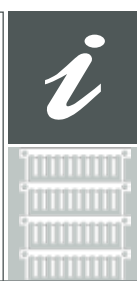
Use directly on cables according to outside diameter.

**Material:** Polyamide PA6.6, self-extinguishing class V2 (UL94).

Type	Ø Size mm	Length mm	Quantity
TDMOS-16 42850	6-8	25	150
TDMOS-35 42852	8-10	25	100
TDMOS-70 42854	10-14	25	50



Directly on cables according to the diameter ranges shown in the table.  
No transparent holders required.



support template MG2-PTM with PET blank MG2-TTM ..... page 10  
ribbons ..... page 11  
support for cable tag ..... page 15

# MG-ETF

## Cable & conduit tags tie-on

*precut, one piece markers*

MG-ETF tags are used with cable ties for marking large diameter cables, hoses, tubes and conduit.

Consult us for availability of other colours.

Note: UV resistance may vary between colours.

Cable tie max width 4,8 mm.



**Material:** Rigid PVC, self extinguishing class V0 (UL 94)

**Operating temperature range:** -30°C (-22°F) to +60°C (+140°F)

**Material -HF:** Polycarbonate, Halogen Free, self extinguishing class V0: UL94

**Operating temperature range:** -40°C (-40°F) to +130°C (+266°F)

0.5 mm **PVC** **SF** **-30°C** **+60°C** **UL94 V0** **RoHS COMPLIANT 2011/65/EU**

Size mm	white	yellow	grey	red	blue	green	black	Print area mm	Tags per sheet	Quantity	SW code
13 x 57	54192	54142	54182GY	54122	54162	54152	54102	11 x 35	14	700	581
15 x 95	54293	54243						13 x 73	5	250	584
20 x 27	54191N	54141N						15 x 18	15	750	582
28 x 57	54197	54147	54187		54167	54157		26 x 35	6	300	591

0.5 mm **PC** **HF** **SF** **-40°C** **+130°C** **UL94 V0** **RoHS COMPLIANT 2011/65/EU**

Size mm	white	yellow	grey	red	blue	green	orange	light brown	black	Print area mm	Tags per sheet	Quantity	SW code
13 x 57	54192-HF	54142-HF	54182-HF	54122-HF	54162-HF	54152-HF	54132-HF	54172-HF	54102-HF	11 x 35	14	700	581
15 x 95	54293-HF	54243-HF								13 x 73	5	250	584
28 x 57	54197-HF	54147-HF		54127-HF	54167-HF		54137-HF			26 x 35	6	300	590

0.3 mm **PVC** **SF** **-30°C** **+60°C** **UL94 V0** **RoHS COMPLIANT 2011/65/EU**

Size mm	white	yellow	Print area mm	Tags per sheet	Quantity	SW code
20 x 26	54291	54241	8 x 22	15	750	583



**i** Directly on cables using appropriate cable ties  
Use the MG2-EPTR PREMIUM ribbon to print -HF items.

support template MG2-PLT with PET blank MG2-TLT .....page 10  
ribbons .....page 11  
cable tie max width 4,8 mm .....page 114

## Wraparound cable markers

*self adhesive, precut*

MG-KMP wraparound cable markers are suitable for identifying large diameter cables, tubes and conduit.

MARKINGENIUS® printing is exceptionally clear and legible and is protected from chemical and atmospheric agents.

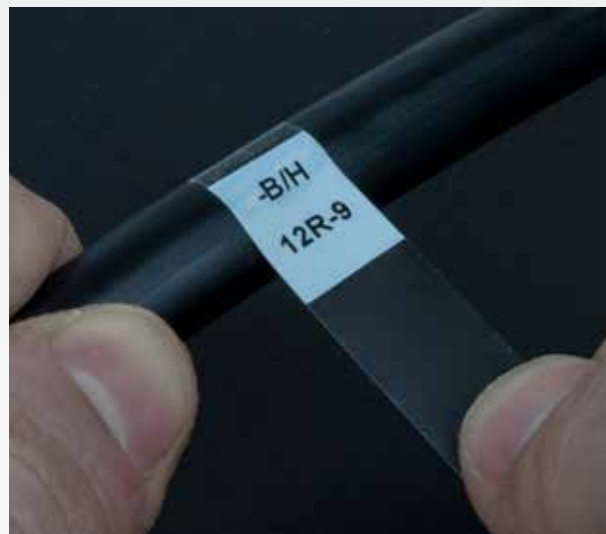
**Material:** PVC film.

Resistant to water, oil, grease, alcohol, detergent, alkaline substances and atmospheric agents.

**Operating temperature range:** -30°C (-22°F) to +70°C (+158°F)

**Application temperature range:** +10°C (+50°F) to +40°C (+104°F)

# MG-KMP



Overall Length A mm	Wrapping diameter mm	Print area CxB mm		white	yellow	green	Markers per sheet	Quantity	SW code
4,3 ÷ 7	38	10 x 15	MG-KMP038	48950-015	48450-015		12	600	301
		10 x 23	MG-KMP038	48950-023	48450-023		8	400	302
6 ÷ 10	50	15 x 15	MG-KMP050	48951-015	48451-015		12	600	303
		15 x 23	MG-KMP050	48951-023	48451-023		8	400	304
8 ÷ 14	75	25 x 15	MG-KMP075	48952-015	48452-015		6	300	305
		25 x 23	MG-KMP075	48952-023	48452-023		4	200	306
12 ÷ 20	100	25 x 15	MG-KMP100	48953-015	48453-015		6	300	310
		25 x 23	MG-KMP100	48953-023	48453-023		4	200	311
20 ÷ 25	135	50 x 50	MG-KMP135	48955-050		48555-050	2	100	312

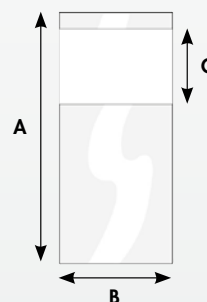
Wraparound, self adhesive cable markers provide a fast, economical and efficient way of identifying large diameter conductors

MARKINGENIUS® and MG-KMP produce indelible printed marking, protected from water, alcohol, grease, solvents, etc.



Directly on cables, etc in accordance with wrapping diameter limitations shown for each size

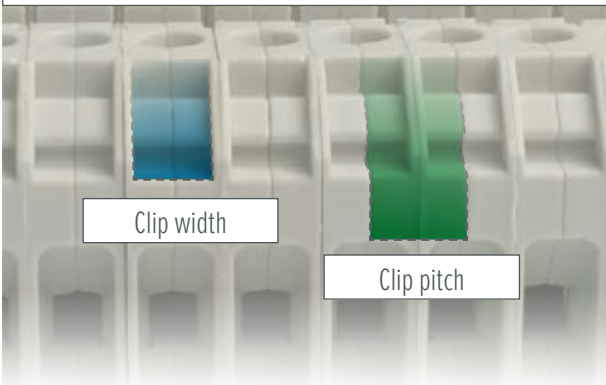
support template MG2-PLT with PET blank MG2-TLT ..... page 10  
ribbons ..... page 11



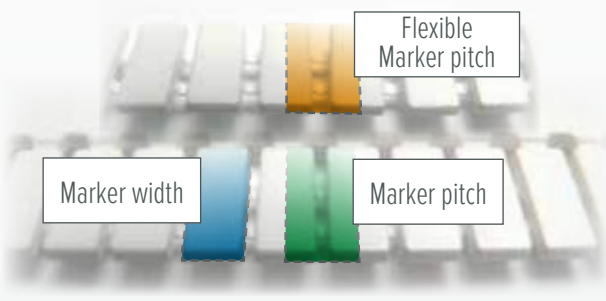
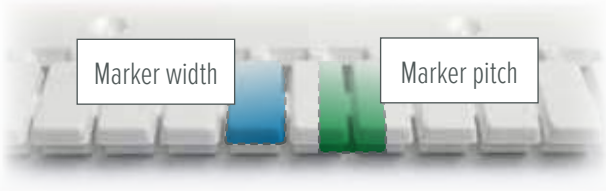
# MG-CPM



TERMINAL BLOCKS



PRINTABLE SHEET FORMAT



## Terminal block markers

MG-CPM terminal block markers are available in versions to suit the particular clip formats of the most widely used products.

Depending on type, markers are presented as joined strips at a set or flexible pitch or as separate markers for convenient individual insertion on mixed pitch terminal block assemblies.

MG-CPM markers provide an elevated mechanical robustness, high dimensional stability and are Halogen Free.

Printing a complete sheet of MG-CPM markers on MARKINGENIUS® thermal transfer printers takes around 10 seconds, while to optimise application time, additional data - job details, location, etc - may be printed on the stems. Part-used sheets are easily accommodated to avoid wastage.

MG-CPM terminal block markers are available in versions to suit the particular clip formats of the most widely used products.

**Material:** Polycarbonate, self extinguishing class V0: UL94

**Operating temperature range:** -40°C (-40°F) to +130°C (+266°F)

### MODULAR STRIP



A strip of joined markers is removed from the stem. Without separation, markers are clipped into terminals by light finger pressure. The terminal block is marked quickly and conveniently.



### MODULAR FLEXIBLE PITCH STRIP



A strip of joined markers is removed from the stem. Manually extend the strip length by pulling it until the desired pitch is reached. Clip the strip directly into the terminal blocks by light finger pressure.



### SINGLE



Without removal from the stem, markers are clipped into terminals by light finger pressure. Bend the stem upwards to detach it from the markers. Carefully remove the stem, leaving the markers in situ.



# MG-CPM

PC
HF
SF
-40°C
+130°C
UL94 VO
RoHS COMPLIANT 2011/65/EU

Terminal blocks	Size mm	Pitch mm	Strip form	white	yellow	Markers per sheet	Quantity	Template	SW code	
Weidmüller, IMO, ABB Entelec, Wago, Allen Bradley, Conta Clip, Klemsan, Morsettitalia, Woertz, Connectwell, Rockwell	 3 x 10	3,5	S	MG-CPM-01	41092		80	2.000	MG2-QTB	15
	 5 x 7	5,1	S	MG-CPM-01	41094	41044	56	1.960	MG2-MTB	13
	 5 x 10	5,1	S	MG-CPM-01	41090N	41040N	56	1.960	MG2-QTB	14
	 5 x 15	5,1	S	MG-CPM-01	41091N	41041N	48	1.680	MG2-QTB	16
	 6 x 10	6	M	MG-CPM-01	41095	41045	48	1.680	MG2-QTB	17
	 8 x 10	8	S	MG-CPM-01	41096	41046	32	1.120	MG2-QTB	18
Weidmüller WDK & WDU, Allen Bradley, Conta Clip, Klemsan, ABB Entelec, Wago, Woertz	 5 x 10	5,1	S	MG-CPM-02	41190N	41140N	48	1.680	MG2-QTB	22
Wago, ABB Entelec, Cabur, Phoenix Contact, Connectwell	 5 x 10	5	S	MG-CPM-03	41291		56	1.960	MG2-QTB	25
	 5 x 10	5	M	MG-CPM-03	41293		56	1.960	MG2-QTB	25
Phoenix Contact UK, UT & ST (front mounting), Connectwell, Cabur, Finder, ABB Entelec, Wago, Schneider Electric, Siemens 8WH (clamp, front mounting)	 3 x 10	3,5	S	MG-CPM-04	41392		80	2.000	MG2-QTB	43
	 5 x 10	5,2	S	MG-CPM-04	41390N	41340N	48	1.680	MG2-QTB	42
	 5 x 10	5,2	M	MG-CPM-04	41395		48	1.680	MG2-QTB	31
	 6 x 10	6	M	MG-CPM-04	41391		48	1.344	MG2-QTB	45
Wieland, Schneider Electric, Legrand clamp, Merlin Gerin MCB ST	 8 x 10	8	M	MG-CPM-04	41396	41346	32	1.120	MG2-QTB	48
	 5 x 10	5	S	MG-CPM-05	41490		56	1.960	MG2-WTB	51
Legrand clamp, Merlin Gerin MCB ST	 5 x 10	5	M	MG-CPM-05	41494		56	1.960	MG2-WTB	51
	 5 x 10	6	S	MG-CPM-06	41591		44	1.540	MG2-STB	61
Phoenix Contact ST, STU, STS, STI, STN, STTB, Siemens 8WH screw, Schlegel, Schneider Electric	 5 x 10	5,2	S	MG-CPM-07	41691		48	1.680	MG2-QTB	71
Legrand Viking 3	 5 x 10	5 ÷ 6	MF	MG-CPM-09	41890		56	1.960	MG2-LTB	92
Cabur, Connectwell	 5 x 12	5,5	S	MG-CPM-10	46192		48	1.680	MG2-CTB	101
Allen Bradley, Weidmüller WDU, Conta Clip RK, IMO, Finder, Omron, Klemsan	 6 x 12	6,1	S	MG-CPM-11	46392	46342	48	1.344	MG2-QTB	106
Wago Top Job, ABB Entelec, Cabur, Weidmüller, Connectwell, Morsettitalia, Beckhoff I/O, Klemsan	 4,2 x 6	5 ÷ 6	MF	MG-CPM-12	46391		56	1.960	MG2-WTB	111
	 4,2 x 9	5 ÷ 6	MF	MG-CPM-12	46390		56	1.960	MG2-WTB	112
ABB Entelec SNK ZS	 5 x 12	5,2	S	MG-CPM-13	41790	41740	56	1.960	MG2-ETB	113
	 6 x 12	6	S	MG-CPM-13	41791	41741	48	1.680	MG2-ETB	114
Weidmüller, Wago Top Job, Klemsan, Conta Clip	 5 x 5	5,1	M	MG-CPM-15	42908		48	1.680	MG2-PSB	402

Directly on terminal blocks using the rear mounted clips.

SUPPLIED	PURCHASE SEPARATELY
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 cross reference chart.....page 144



SINGLE CLIPS COMPATIBLE

Marker width < Clip width  
 Marker pitch ≠ Clip pitch

# MG-CPMF

MARKINGENIUS®

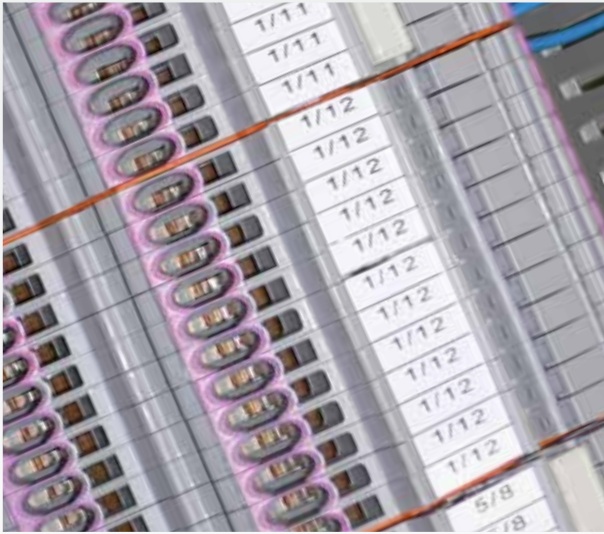
## Terminal block marker strips



SerieFLAT, precut

Thin flexible printable strips to fit in the marker locations, for immediate labeling of multiple flush mounts.

MG-CPMFA is self adhesive with thickness 0,7 mm.



**Material:** Rigid PVC, self extinguishing class V0: UL94

**Operating temperature range:** -30°C (-22°F) to +60°C (+140°F)

**Material -HF:** Polycarbonate, Halogen Free, self extinguishing class V0: UL94

**Operating temperature range:** -40°C (-40°F) to +130°C (+266°F)



Terminal blocks	Size mm		white	yellow	Strips per sheet	Quantity	SW code
Wago 264	4,6 x 118	MG-CPMF	43095	43045	6	300	547
ABB Entelec D	5,2 x 105	MG-CPMF	43094	43044	20	1.000	551



Terminal blocks	Size mm		white	yellow	Strips per sheet	Quantity	SW code	SW code
Phoenix Contact ST	6,3 x 105	MG-CPMF		43092	43042	15	750	553
ABB Entelec M6/9EE front mounting	7,6 x 105	MG-CPMF		43091	43041	12	600	552
Phoenix Contact PIT	9,8 x 105	MG-CPMF		43097N	43047N	11	550	549
ABB Entelec M6/9EE lateral mounting	10 x 105	MG-CPMF		43090	43040	10	500	530
Wago Top Job 2001, 2002, 2004, 2006, 2010, 2016	10,5 x 105	MG-CPMF		43093	43043	10	500	554
ABB Entelec SNK	12 x 105	✓ MG-CPMFA		43196N	43146N	8	400	932



Terminal blocks	Size mm		white	yellow	Strips per sheet	Quantity	SW code
ABB Entelec M6/9EE marcatura frontale	7,6 x 105	MG-CPMF-HF	43091-HF		12	600	552
Wago Top Job 2001, 2002, 2004, 2006, 2010, 2016	10,5 x 105	MG-CPMF-HF	43093-HF		10	500	554



Directly on terminal blocks  
Use the MG2-EPTR PREMIUM ribbon to print -HF items.

support template MG2-PLT with PET blank MG2-TTL ..... page 10  
ribbons ..... page 11  
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## Terminal block marker labels

*precut, self adhesive*

Thin flexible printable strips to fit in the marker locations, for immediate labeling of multiple flush mounts.

**Material:** PVC film

**Operating temperature range:** -30°C (-22°F) to +70°C (+158°F)

**Application temperature range:** +10°C (+50°F) to +40°C (+104°F)

# MG-VYB



Terminal blocks	Size mm		white	yellow	Strips per sheet	Quantity	SW code
printed circuit terminal blocks and other components	4 x 105	✓	16092N	16042N	10	500	556
	10 x 105	✓	16093	16043	10	500	559
Weidmüller SAK	5,2 x 105	✓	16091	16041	20	1.000	557
WAGO 260, 261, 262	7 x 105	✓	16090	16040	14	700	558

Directly on terminal blocks  
Use the MG2-EPTR PREMIUM ribbon to print -HF items.



support template MG2-PLT with PET blank MG2-TTL ..... page 10  
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# MG-SPM

MARKINGENIUS®

## Component markers, push in

for the leading brands and types

MG-SPM markers are available in versions to suit the particular clip formats of the most widely used contactors, relays, drives, valves and other panel mounting components.

**Material -HF:** Polycarbonate, Halogen Free, self extinguishing class VO: UL94

**Operating temperature range:** -40°C (-40°F) to +130°C (+266°F)



Components	Size mm			white	Tags per sheet	Quantity	Template	SW code
Siemens Sirius, ABB AF	7 x 20		MG-SPM-02	43291	12	360	MG2-PSP	142
Siemens, Klockner Moeller	9 x 19		MG-SPM-03	32291	12	360	MG2-QTB	143
Murrelektronik, Balluff	8 x 20		MG-SPM-09	32895	12	360	MG2-WTB	144



directly on components with suitable clip in locations  
Use the MG2-EPTR PREMIUM ribbon to print -HF items.

SUPPLIED

PURCHASE SEPARATELY

support templates and PET blanks.....page 10  
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## Legends 15 mm

*precut*

MG-TAP legends are particularly versatile for identifying cables, conduit, push buttons, machinery, components, etc.

Consult us for availability of other colours.

Note: UV resistance may vary between colours

**Material:** Rigid PVC, self extinguishing class V0: UL94

**Operating temperature range:** -30°C (-22°F) to +60°C (+140°F)

**Material -HF:** Polycarbonate, Halogen Free, self extinguishing class V0: UL94

**Operating temperature range:** -40°C (-40°F) to +130°C (+266°F)

# MG-TAP

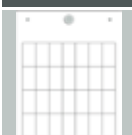


0.5 mm **PVC** **SF** **30°C** **60°C** **UL94 V0** **RoHS COMPLIANT 2011/65/EU**

Size mm	white	HF white	yellow	grey	HF metallic grey	red	blue	green	Siemens green	black	Legends per sheet	Quantity	SW code
15 x 17	47090N		47040N	47000NGY	47000N-HF	47020N	47060N	47050N		47010N	42	1.050	165
15 x 27	47091N	47091N-HF	47041N	47001NGY	47001N-HF	47021N	47061N	47051N	47051NSGN	47011N	28	1.400	166
15 x 32	47098										21	1.050	352
15 x 43	47198										14	700	353
15 x 49	47092N		47042N	47002NGY	47002N-HF	47022N	47062N	47052N		47012N	14	700	167
15 x 67	47093N		47043N	47003NGY	47003N-HF	47023N	47063N	47053N		47013N	7	350	168
Siemens 3SB3925-0AB													
17,5 x 27,8	47094			47004GY	47004-HF					47014	24	1.200	175
Schneider Electric ZBZ-32													
8,2 x 27	47096		47046	47006GY	47006-HF	47026				47016	44	2.200	807
Schneider Electric ZBZ-33, ZBZ-35, Moeller													
18 x 27	47097		47047	47007GY	47007-HF	47027				47017	20	1.000	178
Allen Bradley													
6,4 x 27,3	47790			47700GY	47700-HF						56	1.400	715
16,3 x 27,3	47791			47701GY	47701-HF						24	1.200	716
Siemens 3SU1900-0AS10-0AA0													
17,5 x 27	47794			47704GY	47704-HF						12	300	725
ABB KA1-8120													
15 x 27,7	47795		47745	47705GY							28	1.400	163

Use the MG2-EPTR PREMIUM ribbon to print -HF items.

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legend holders PMT .....	page 112
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legend bases PL .....	page 120
legend rails RT-TAP .....	page 122



# MG-TAP-CCS

MARKINGENIUS®

## Transparent legends

15 mm precut, for legend bases

MG-TAP-CCS transparent legends may be printed or used as protective covers for MG-TAP or TAP legends, PT and PL type legend bases and RT-TAP rail.

**Material -HF:** Rigid Polycarbonate, transparent, self extinguishing class V0: UL94

**Operating temperature range:** -40°C (-40°F) to +130°C (+266°F)



Size mm	transparent	Tags per sheet	Quantity	SW code
15 x 17	990508N	42	1.050	165
15 x 27	990510N	28	1.400	166
17,5 x 27,8	990499	24	1.200	175
15 x 49	990513N	14	700	167
15 x 67	990514N	7	350	168



Use the MG2-EPTR PREMIUM ribbon to print -HF items.

support template MG2-PLT with PET blank MG2-TLT .....	page 10
ribbons .....	page 11
legend 15mm MG-TAP .....	page 23
push button legend bases PTP .....	page 119
legend bases PL .....	page 120
legend rails RT-TAP .....	page 122

## Push button legends

*precut*

Push out the Ø 22.5 or 31 mm blank to locate and secure the legend behind the manual operator head.

Consult us for availability of other colours.

Note: UV resistance may vary between colours

**Material:** Rigid PVC, self extinguishing class V0: UL94

**Operating temperature range:** -30°C (-22°F) to +60°C (+140°F)

**Material -HF:** Polycarbonate, Halogen Free, self extinguishing class V0: UL94

**Operating temperature range:** -40°C (-40°F) to +130°C (+266°F)

# MG-PTS



0.5 mm PVC SF 30°C 60°C UL94 V0 RoHS COMPLIANT 2011/65/EU

Size mm	self-adhesive		white	yellow	grey	HF metallic grey	red	blue	black	Ø hole mm	Tags per sheet	Quantity	SW code
39 x 30		MG-PTS	15092	15042	15082GY	15082-HF	15022		15002	22,5	6	300	1002
40 x 30		MG-PTS	15090	15040	15080GY	15080-HF	15020		15000	22,5	6	300	1000
50 x 30		MG-PTS	15091	15041	15081GY	15081-HF	15021		15001	22,5	6	300	1001
62 x 60		MG2-PTS	15094	15044	15084GY	15084-HF	15024	15064	15004	31	4	200	1003
39 x 30	✓	MG-PTSA	15192	15142	15182GY	15182-HF	15122		15102	22,5	6	150	1002
40 x 30	✓	MG-PTSA	15190	15140	15180GY	15180-HF	15120		15100	22,5	6	150	1000
50 x 30	✓	MG-PTSA	15191	15141	15181GY	15181-HF	15121		15101	22,5	6	150	1001
60 x 40	✓	MG2-PTSA	15197		15187GY					31	4	100	1005
62 x 60	✓	MG2-PTSA	15198						15108	22,5	4	100	1004
62 x 60	✓	MG2-PTSA	15194	15144	15184GY	15184-HF	15124	15164	15104	31	4	100	1003

direct application to suitable surfaces.  
Use the MG2-EPTR PREMIUM ribbon to print -HF items.



support template MG2-PLT with PET blank MG2-TLT ..... page 10  
ribbons ..... page 11

# MG-TAPW

MARKINGENIUS®

## Legends 9 mm

*precut*

MG-TAPW legends are used, with legend holders or legend rails, to identify a wide range of cables and components.

Consult us for availability of other colours.

Note: UV resistance may vary between colours.



**Material:** Rigid PVC, self extinguishing class V0: UL94

**Operating temperature range:** -30°C (-22°F) to +60°C (+140°F)

**Material -HF:** Polycarbonate, Halogen Free, self extinguishing class V0: UL94

**Operating temperature range:** -40°C (-40°F) to +130°C (+266°F)



Component	Size mm	white	HF	white	yellow	blue	green	Tags per sheet	Quantity	SW code
	9 x 12	49092N			49042N			88	2.200	360
	9 x 15	49093N			49043N		49053N	77	1.925	361
	9 x 20	49090N			49040N			55	2.750	362
ABB Entelec PEAD, Wago 249-119	9 x 29	49096			49046	49066		30	1.500	363
	9 x 35	49091N	49091N-HF		49041N			33	1.650	364
	9 x 50	49094	49094-HF		49044			20	1.000	376
	9 x 70	49095N			49045N		49055N	11	550	378



Use the MG2-EPTR PREMIUM ribbon to print -HF items.

support template MG2-PLT with PET blank MG2-TLT ..... page 10  
 ribbons ..... page 11  
 legend holders PMT-AC ..... page 111  
 legend holders PMT-ET e PMT-DT ..... page 112  
 legend rails RT-TAPW ..... page 123

## Legends

*precut*

MG-TAR legends are often designed to fit particular components with a suitable clip in or stick on location.

Consult us for availability of other colours.

Note: UV resistance may vary between colours.

**Material:** Rigid PVC, self extinguishing class V0: UL94

**Operating temperature range:** -30°C (-22°F) to +60°C (+140°F)

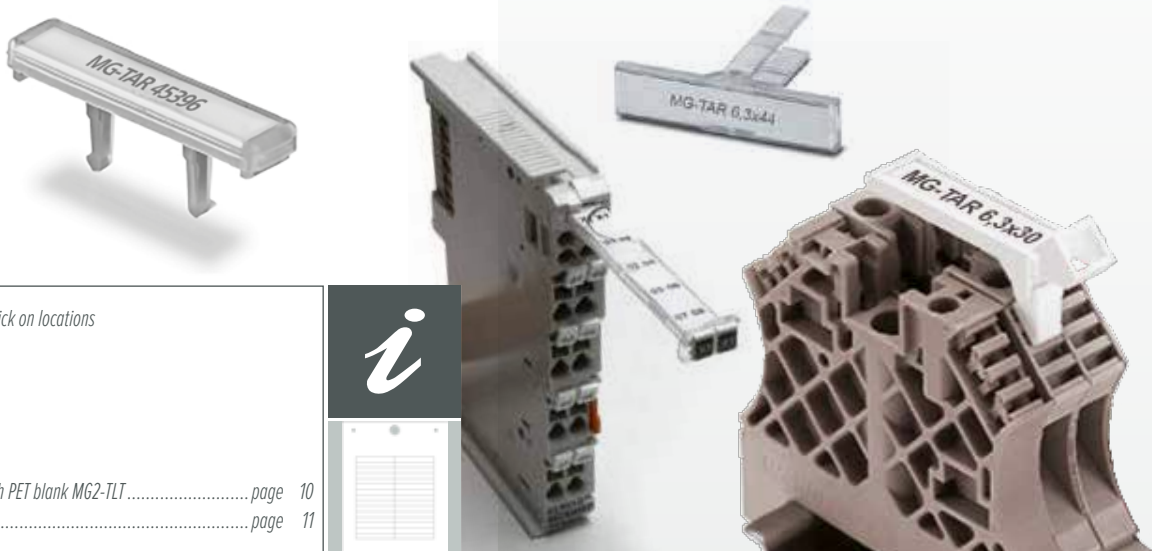
# MG-TAR



0.5 mm  
**PVC** **SF** **-30°C** **+60°C**

**UL94 V0** **RoHS COMPLIANT 2011/65/EU**

Component	Size mm	white	yellow	grey	red	blue	Tags per sheet	Quantity	SW code
	6 x 60	45090					16	800	169
Weidmüller SCHAT7 & M8/30	6,3 x 30	45396					45	2.250	800
Phoenix Contact KLM-A	6,3 x 44	45394	45344	45384GY	45324	45364	30	750	798
Weidmüller SCHAT5S, Beckoff I/O	7,5 x 40	45098	45048				24	1.200	801
Jung	8 x 55	45089					24	1.200	719
ABB SNK LH	8,5 x 30	45490					33	825	720
Wago 249-119	10 x 28,5	45395					27	1.350	350
Reyrolle ER231	10,4 x 21	45297					50	1.250	351
CZ Ex plosion proof 4031/4	12 x 57,5	45392					16	800	708
	14 x 45,5	45390					14	350	718
ABB Entrelec PEB	17 x 35	45194	45144				18	900	711
Weidmüller SCHAT5	17 x 40	45094N	45044N			45064N	18	900	713
	17 x 44	45195	45145				12	600	717
CZ Ex plosion proof 4031/4	17,5 x 36	45391					18	900	709



Directly to suitable clip in or stick on locations



support template MG2-PLT with PET blank MG2-TLT ..... page 10  
 ribbons ..... page 11

# MG-DOG

MARKINGENIUS®

## Dog tags

*precut, predrilled with one hole*

Dog tags are often loosely attached to equipment where a label cannot be fixed, eg on valves, tappings, couplers or in oil/solvent rich atmospheres.

Consult us for availability of other colours.

Note: UV resistance may vary between colours.

**Material:** Rigid PVC, self extinguishing class V0 (UL 94)

**Operating temperature range:** -30°C (-22°F) to +60°C (+140°F)

**Material -HF:** Polycarbonate, Halogen Free, self extinguishing class V0: UL94

**Operating temperature range:** -40°C (-40°F) to +130°C (+266°F)

**Application temperature range:** +10°C (+50°F) to +40°C (+104°F)



0.5 mm  
PVC SF -30°C +60°C

UL94 V0 RoHS COMPLIANT 2011/65/EU

Size mm		white	yellow	red	green	Ø hole mm	Cable tie max. mm	Tags per sheet	Quantity	SW code
20 x 20		48203				5	4,8	25	1.250	867
25 x 50		48204	48244			5	4,8	8	400	868
Ø 20		48392	48342	48322	48352	6,5	4,8	12	300	875
		48391	48341			5	4,8	12	300	874
Ø 35		48300	48340	48320		4	3,6	6	300	870

0.5 mm  
PC HF SF -40°C +130°C

UL94 V0 RoHS COMPLIANT 2011/65/EU

Size mm		white	yellow	red	green	Ø hole mm	Cable tie max. mm	Tags per sheet	Quantity	SW code
19 x 38		40205-HF				8	8	8	400	869
21 x 39		40206-HF				12,7	8	8	400	873
25 x 50		48204-HF				5	4,8	8	400	868
Ø 20		48392-HF			48352-HF	6,5	4,8	12	300	875
		48300-HF	48340-HF			4	3,6	6	300	870



*Appropriate attachment.  
Use the MG2-EPTR PREMIUM ribbon to print -HF items.*

support template MG2-PLT with PET blank MG2-TLT .....	page 10
ribbons .....	page 11
cable ties .....	page 114

## Legends self adhesive

precut

MG-TAA legends are often available in the same sizes as MG-TAPW and MG-TAP. Self adhesive, they can be applied to panels, components and equipment.

Consult us for availability of other colours.

Note: UV resistance may vary between colours.

**Material:** Rigid PVC, self extinguishing class V0 (UL 94)

**Operating temperature range:** -30°C (-22°F) to +60°C (+140°F)

**Material -HF:** Polycarbonate, Halogen Free, self extinguishing class V0: UL94

**Operating temperature range:** -40°C (-40°F) to +130°C (+266°F)

**Application temperature range:** +10°C (+50°F) to +40°C (+104°F)

# MG-TAA



Size mm	white	yellow	grey	HF metallic grey	red	blue	green	black	Legends per sheet	Quantity	SW code
7 x 20 <sup>(1)</sup>	49196	49146	49106GY	49106-HF	49126	49166	49156	49116	60	1.500	179
7 x 44	49597	49547			49527	49567			24	600	796
8 x 12	49296	49246	49206GY	49206-HF	49226	49266	49256	49216	96	2.400	723
8 x 17 <sup>(2)</sup>	49493	49443							72	1.800	724
8,5 x 30 <sup>(3)</sup>	49498	49448							33	825	720
9 x 12	49290N	49240N	49400NGY	49400N-HF	49220N	49260N	49250N	49210N	88	2.200	960
9 x 15	49397N	49347N	49307NGY	49307N-HF	49327N	49367N	49357N	49317N	77	1.925	961
9 x 20 <sup>(1)</sup>	49190N	49140N	49100NGY	49100N-HF	49120N	49160N	49150N	49110N	55	1.375	962
9 x 35	49191N	49141N	49101NGY	49101N-HF	49121N	49161N	49151N	49111N	33	825	964
9 x 50	49197	49147	49107GY	49107-HF	49127	49167	49157	49117	20	500	976
10 x 105	49199	49149							10	250	530
15 x 17	49192N	49142N	49102NGY	49102N-HF	49122N	49162N	49152N	49112N	42	1.050	965
15 x 27	49193N	49143N	49103NGY	49103N-HF	49123N	49163N	49153N	49113N	28	700	966
15 x 44	49298	49248	49208GY	49208-HF	49228	49268	49258	49218	12	300	854
15 x 49	49194N	49144N	49304NGY	49304N-HF	49124N	49164N	49154N	49104N	14	350	967
15 x 67	49195N	49145N	49405NGY	49405N-HF	49125N	49165N	49155N	49115N	7	175	968
17 x 32	49291	49241							18	450	710
17 x 35 <sup>(4)</sup>	49198	49148	49408GY	49408-HF	49128	49168	49158	49118	18	450	711
17 x 44	49393	49343	49303GY	49303-HF	49323	49363	49353	49313	12	300	717
17,5 x 27,8			49404GY	49404-HF					24	600	175
20 x 40	49292	49242	49202GY	49202-HF	49222	49262	49252	49212	10	250	803
20 x 48	49293	49243	49203GY	49203-HF	49223	49263	49253	49213	10	250	850
20 x 72	49294	49244	49504GY	49504-HF	49224	49264	49254	49204	5	125	851
20 x 96	49295	49245	49205GY	49205-HF	49225	49265	49255	49215	5	125	852
25 x 32	49595								12	300	847
25 x 35	49596								12	300	848
Schneider Electric ZBZ-33, Schneider Electric ZBZ-35											
18 x 27	49396	49346	49306GY	49306-HF				49316	20	500	178
Siemens 3SB3923-OAV, Siemens 3SB3943-OAX											
12 x 26	49399N		49309NGY	49309N-HF				49319N	28	700	862
21 x 21	49398N	49348N	49308NGY	49308N-HF				49318N	25	625	866
26 x 26	49390N		49300NGY			49360N		49310N	9	225	863
Siemens 3SU1900-OAH10-OAA, Siemens 3SU1900-OAP10-OAA0											
17,5 x 27	49598		49508GY	49508-HF					12	300	969

Directly on suitable surfaces.  
Use the MG2-EPTR PREMIUM ribbon to print -HF items.



support template MG2-PLT with PET blank MG2-TLT ..... page 10  
ribbons ..... page 11

- <sup>(1)</sup> Application: Siemens Sirius
- <sup>(2)</sup> Application: Schneider Electric
- <sup>(3)</sup> Application: ABB SNK LH
- <sup>(4)</sup> Application: ABB SNK LH-R1

# MG-VYT

## Labels

*self adhesive, pre-cut*

Dielectric PVC film labels used for internal and external marking.

Consult us for availability of other colours.

Note: UV resistance may vary between colours.



Component	Size mm		white	yellow	metallic grey	red	blue	green	light green	violet	black	transparent	Labels per sheet	Quantity	SW code
Allen Bradley	5 x 12	MG-VYT	46927	46427	46827								120	6.000	195
	6 x 15	MG-VYT	46915	46415	46815	46215	46615	46515	46515LG	46715	46115		105	5.250	181
	7 x 10	MG-VYT	44891	44841	46891								120	6.000	191
Siemens	7 x 15	MG-VYT	46928	46428	46828								60	3.000	182
	7 x 20	MG-VYT	46935	46435									60	3.000	190
Schneider Electric	8 x 12	MG-VYT	46918	46418	46818								96	4.800	192
	8 x 17	MG-VYT	46923	46423	46823								72	3.600	194
	8 x 21	MG-VYT	46924	46424	46824								60	3.000	196
	9 x 12	MG-VYT	46914	46414	46814								80	4.000	160
Siemens	9 x 15	MG-VYT	44895	44845	46895								70	3.500	161
	9 x 20	MG-VYT	44896N	44846N	46896N	46296N	46696N	46596N	46596NLG	46796N	46196N		55	2.750	162
	9 x 35	MG-VYT	46910N	46410N	46810N								33	1.650	164
	15 x 15	MG-VYT	46934	46434	46834								49	2.450	183
	15 x 17	MG-VYT	46932N	46432N	46832N								42	2.100	185
	15 x 27	MG-VYT	46921N	46421N	46821N								28	1.400	186
	15 x 49	MG-VYT	46933N	46433N	46833N								14	700	187
	25 x 25	MG-VYT	46931	46431	46831								16	800	611
	25 x 50	MG-VYT	46925	46425	46825								8	400	612
	25 x 80	MG-VYT	46926	46426	46826								4	200	613
25 x 100	MG-VYT	46938	46438									4	200	614	
32 x 58	MG-VYT	46939	46439	46839	46239	46639	46539	46539LG	46739	46139		3	150	621	
42 x 78	MG-VYT	46922	46422	46822								2	100	622	
50 x 50	MG-VYT	46929	46429	46829								4	200	623	
52 x 107	MG-VYT	46911	46411	46811	46211	46611	46511	46511LG	46711	46111	46011	2	100	624	
62 x 88	MG-VYT	46941	46441	46841								1	50	625	
105 x 110	MG-VYT	46913	46413	46813	46213							1	50	627	
110 x 140	MG-VYT	46942	46442	46842								1	50	273	



Directly on suitable surfaces

support template MG2-PLT with PET blank MG2-TLT ..... page 10  
ribbons ..... page 11



## Labels

*self adhesive, precut*

Polyester film self adhesive labels, suitable for marking components, with better resistance to high temperatures, temperature variations and shrinkage than PVC versions.

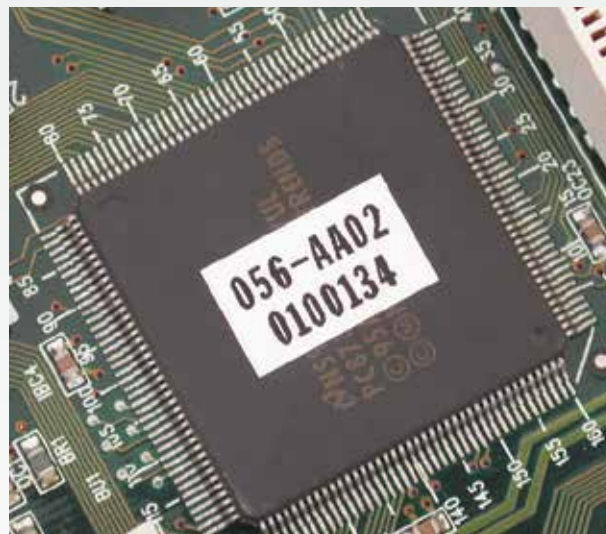
Note: Metallic grey has limited resistance to UV.

**Material:** Polyester film

**Operating temperature range:** -40°C (-40°F) to +130°C (+266°F)

**Application temperature range:** +10°C (+50°F) to +40°C (+104°F)

# MG-PYT



Component	Size mm	white	metallic grey	Labels per sheet	Quantity	SW code
	6 x 15	47916	47816	105	5.250	181
	7 x 10	47191	47181	120	6.000	191
Siemens	7 x 20	47920	47820	60	3.000	190
	9 x 15	47195	47185	70	3.500	161
Siemens	9 x 20	47196N	47186N	55	2.750	162
	25 x 50	47918	47818	8	400	612
	32 x 58	47922	47822	3	150	621
	42 x 78	47927	47827	2	100	622
	52 x 107	47914	47814	2	100	624
	62 x 88	47921	47821	1	50	625
	75 x 120	47915	47815	1	50	626
	105 x 110	47913	47813	1	50	627



Directly on suitable surfaces



support template MG2-PLT with PET blank MG2-TLT ..... page 10  
 ribbons ..... page 11

# MG-VCT

MARKINGENIUS®

## Labels

*self adhesive, precut*

Dielectric labels with permanent adhesive backing and increased resistance to ageing.

Their flexibility and strength make them particularly suitable for marking curved surfaces.



**Material:** PVC coated fabric

**Operating temperature range:** -40°C (-40°F) to +150°C (+302°F)

**Application temperature range:** +10°C (+50°F) to +40°C (+104°F)

coated  
**PVC SF** -40°C +150°C



Size mm	white	yellow	Labels per sheet	Quantity	SW code
7 x 10	48091	48041	120	6.000	191
6 x 15	48090	48040	105	5.250	181
9 x 15	48095	48045	70	3.500	161
9 x 20	48096N	48046N	55	2.750	162
11 x 38	48097	48047	27	1.350	184



*Directly on suitable surfaces.*

support template MG2-PLT with PET blank MG2-TLT ..... page 10  
ribbons ..... page 11

## PLC legends

*precut*

Legends replace the strips supplied with the devices and automatically print at the correct spacing.

Consult us for availability of other colours.

Note: UV resistance may vary between colours.

**Material:** Rigid PVC, self extinguishing class V0: UL94

**Operating temperature range:** -30°C (-22°F) to +60°C (+140°F)

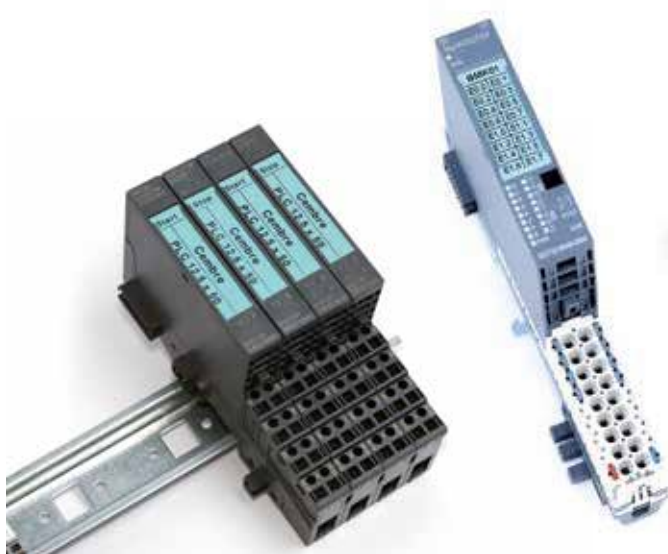
**Material -HF:** Polycarbonate, Halogen Free, self extinguishing class V0: UL94

**Operating temperature range:** -40°C (-40°F) to +130°C (+266°F)

# MG-PLC



Component	Size mm	white	yellow	Siemens green	grey	HF metallic grey	Thickness mm	Legends per sheet	Quantity	SW code
PLC Siemens SIMATIC S7-300	17,5 x 103,5	71090	71040	71050	71000GY	71000-HF	0,5	6	300	882
	22,75 x 103,5	71091	71041	71051	71001GY	71001-HF	0,5	4	200	883
I/O Siemens SIMATIC ET 200S	12,7 x 50	71092	71042	71052	71002GY		0,3	14	700	885
PLC Siemens SIMATIC S7 Profisafe 6ES7	25,6 x 50	71094	71044				0,3	8	400	895
PLC Siemens SIMATIC S7-1500 KOMPAKT	12,7 x 109	71099	71049	71059	71009GY		0,3	8	400	897
PLC Siemens SIMATIC S7-1500	22,75 x 109	71096	71046	71056			0,5	4	200	896
PLC Siemens SIMATIC ET 200SP	12,7 x 31	71098	71048	71058	71008GY		0,3	21	1.050	900
PLC Siemens SIMATIC	52 x 80			71053			0,3	2	100	889



Direct application to PLCs.



support template MG2-PLT with PET blank MG2-TLT ..... page 10  
 ribbons ..... page 11

# MG-SAT

MARKINGENIUS®

## Security labels

*ultradestructible and antitamper film, precut*

**MG-SAT-V** “Void” anti tamper film: when removed, leaves the word “Void” on the surface, as evidence of its removal.

**Material:** matt Polyester film

**Operating temperature range:** -40°C (-40°F) to +140°C (+284°F)

**MG-SAT-C** “Checker-board” anti tamper film: when removed, leaves behind a checker-board imprint on the surface, as evidence of its removal.

**Material:** matt Polyester film

**Operating temperature range:** -40°C (-40°F) to +140°C (+284°F)



Size mm			white	metallic grey	Labels per sheet	Quantity	SW code
24 x 38	VOID	MG-SAT-V	<b>29001</b>		6	300	270
37 x 74		MG-SAT-V	<b>29002</b>		2	100	271
52 x 105		MG-SAT-V	<b>29003</b>		2	100	272
9 x 15	CHECKER-BOARD	MG-SAT-C		<b>29806</b>	70	3.500	161
15 x 49		MG-SAT-C		<b>29807</b>	14	700	187
24 x 38		MG-SAT-C		<b>29801</b>	6	300	270
37 x 74		MG-SAT-C		<b>29802</b>	2	100	271
52 x 105		MG-SAT-C		<b>29803</b>	2	100	272
110 x 140		MG2-SAT-C		<b>29804</b>	1	50	273

**MG-SAT-D** Ultradestructible film: when removed, allowing two hours after application, this film will break up into very small fragments to prevent replacement.

**Material:** film PE-HD

**Operating temperature range:** -30°C (-58°F) to +80°C (+230°F)



Size mm			white	metallic grey	Labels per sheet	Quantity	SW code
9 x 15	ULTRADESTRUCTIBLE	MG-SAT-D	<b>29906</b>		70	3.500	161
15 x 49		MG-SAT-D	<b>29907</b>		14	700	187
24 x 38		MG-SAT-D	<b>29901</b>		6	300	270
37 x 74		MG-SAT-D	<b>29902</b>		2	100	271
52 x 105		MG-SAT-D	<b>29903</b>		2	100	272



*Directly on suitable surfaces.*

support template MG2-PLT with PET blank MG2-TLT ..... page 10  
ribbons ..... page 11

## Modular legends

*precut*

The MG-17.5-R series comprises legends designed for use with modular components.

Consult us for availability of other colours.

Note: UV resistance may vary between colours.

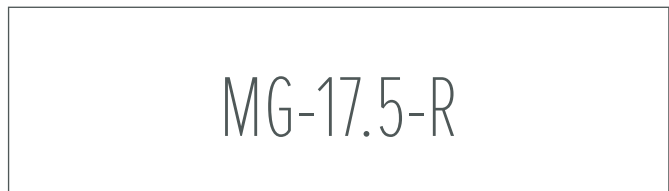
**Material:** Rigid PVC, self extinguishing class V0: UL94

**Operating temperature range:** -30°C (-22°F) to +60°C (+140°F)

**Application temperature range:** +10°C (+50°F) to +40°C (+104°F)

**Material -HF:** Polycarbonate, Halogen Free, self extinguishing class V0: UL94

**Operating temperature range:** -40°C (-40°F) to +130°C (+266°F)



THERMAL TRANSFER



Component	N° of modules	Size mm	white	yellow	grey	HF	metallic grey	red	blue	green	black	Tags per sheet	Quantity	SW code
Bticino	6	12 x 105	MG-17.5-R	990788N								8	400	332
Merlin Gerin	1	15 x 17,5	MG-17.5-R	990768N	990769N	990785NGY		990863N			990862N	42	1.050	321
	2	15 x 35	MG-17.5-R	990766N	990767N	990784NGY		990865N			990864N	21	1.050	322
	3	15 x 52,5	MG-17.5-R	990764N	990765N	990783NGY		990908N			990907N	14	700	323
	4	15 x 70	MG-17.5-R	990762	990763	990782GY		990912			990911	6	300	324
	5	15 x 87,5	MG-17.5-R	990755	990761	990781GY						6	300	325
	6	15 x 107,5	MG-17.5-R	990798N	990799N	990809NGY	990809N-HF	990846	990847				7	350
Merlin Gerin	8	15 x 140	MG2-17.5-R	990883	990884							7	350	331
	1	25 x 18	MG-17.5-R	990889	990895			990900			990914	24	1.200	335
	1½	25 x 27	MG-17.5-R	990891	990892			990897			990915	16	800	334
	2	25 x 36	MG-17.5-R	990888	990894			990899			990916	12	600	336
	3	25 x 50	MG-17.5-R	990887	990893			990898			990917	8	400	337
	4	25 x 70	MG-17.5-R	990890	990896			990901			990918	4	200	338
	1	37,5 x 17,5	MG-17.5-R	990950	990951			990952			990953	18	900	345

Use the modular legend for Merlin Gerin directly on the components or with self adhesive modular backing strips



support template MG2-PLT with PET blank MG2-TLT ..... page 10  
 ribbons ..... page 11  
 legend rails RT-TAP ..... page 122

# MG-17.5-A

MARKINGENIUS®

## Modular legends

*self adhesive, precut*

The MG-17.5-A series comprises self adhesive legends designed for use with modular components.

Consult us for availability of other colours.

Note: UV resistance may vary between colours.



**Material:** Rigid PVC, self extinguishing class V0: UL94

**Operating temperature range:** -30°C (-22°F) to +60°C (+140°F)

**Application temperature range:** +10°C (+50°F) to +40°C (+104°F)

**Material -HF:** Polycarbonate, Halogen Free, self extinguishing class V0: UL94

**Operating temperature range:** -40°C (-40°F) to +130°C (+266°F)



Component	N° of modules	self-adhesive	Size mm		white	yellow	grey	HF metallic grey	red	blue	green	black	Tags per sheet	Quantity	SW code
	2	15 x 35	✓	MG-17.5-A	990753N	990820N	990822NGY	990822N-HF	990923N	990963N	990954N	990913N	21	525	922
	6	15 x 107,5	✓	MG-17.5-A	990824	990826	990827NGY	990827N-HF	990929	990926	990925	990833N	7	175	929
	8	15 x 140	✓	MG2-17.5-A	990880	990881							7	175	931
	6	20 x 107,5	✓	MG-17.5-A	990972								5	125	946
Merlin Gerin	1	25 x 18	✓	MG-17.5-A	990869	990878			990905			990919	24	600	935
Merlin Gerin	1½	25 x 27	✓	MG-17.5-A	990871	990872			990902			990920	16	400	934
Merlin Gerin	2	25 x 36	✓	MG-17.5-A	990868	990877			990904	990970		990921	12	300	936
Merlin Gerin	3	25 x 50	✓	MG-17.5-A	990867	990873			990903			990922	8	200	937
Merlin Gerin	4	25 x 70	✓	MG-17.5-A	990870	990879			990906			990924	4	100	938



Merlin Gerin modular tags can be used directly on rails or vinyl adhesive base strips.

Directly on the panel.

support template MG2-PLT with PET blank MG2-TLT ..... page 10  
ribbons ..... page 11

## Modular labels

15 mm, self adhesive, precut

The MG-17.5 series comprises labels designed for use with modular components.

Consult us for availability of other colours. Note: UV resistance may vary between colours.

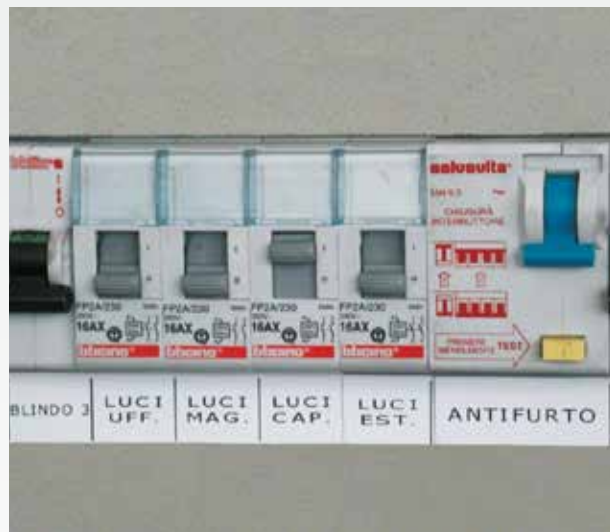
### MG-17.5-VY

**Material:** PVC film

**Operating temperature range:** -30°C (-22°F) to +70°C (+158°F)

**Application temperature range:** +10°C (+50°F) to +40°C (+104°F)

MG-17.5



0.1 mm  
**PVC** **SF** **-30°C** **+70°C**

**UL94 VO** **RoHS COMPLIANT 2011/65/EU**

N° of modules	self-adhesive	Size mm		white	yellow	Tags per sheet	Quantity	SW code
				990746N	990747N			
6	✓	15 x 107,5	MG-17.5-VY	990746N	990747N	7	350	570

### MG-17.5-PY

Metallic grey labels are used indoor.

**Material:** Polyester film

**Operating temperature range:** da -40°C (-40°F) to +130°C (+266°F)

**Application temperature range:** +10°C (+50°F) to +40°C (+104°F)

0.1 mm  
**PL** **SF** **-40°C** **+130°C**

**UL94 VO** **RoHS COMPLIANT 2011/65/EU**

N° of modules	self-adhesive	Size mm		white	metallic grey	Tags per sheet	Quantity	SW code
				990777N	990779N			
6	✓	15 x 107,5	MG-17.5-PY	990777N	990779N	7	350	570

Directly on the panel or with modular backing strips in PVC.



support template MG2-PLT with PET blank MG2-TLT ..... page 10  
 ribbons ..... page 11  
 modular backing strips ..... page 38

# MG-17.5-SB

MARKINGENIUS®

## Modular backing strips

15 mm, precut

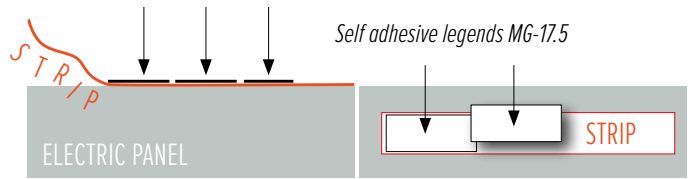
The backing strips are ideal for modular components to achieve a perfect alignment of MG-17.5 legends in up to 430 mm long strips, to be applied directly on the panel or in mounting rails.



**Material:** PVC film

**Operating temperature range:** -30°C (-22°F) to +70°C (+158°F)

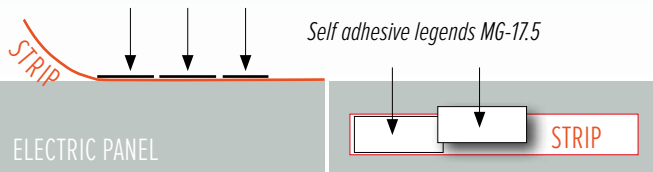
**Application temperature range:** +10°C (+50°F) to +40°C (+104°F)



0.1 mm  
PVC SF 30°C 70°C

UL94 VO RoHS COMPLIANT 2011/65/EU

self adhesive	Size mm		white	yellow	Thickness mm	Quantity
✓	15 x 430	MG-17.5-SB	990752	990756	0,1	10



**Material:** Rigid PVC, self extinguishing class V0: UL94

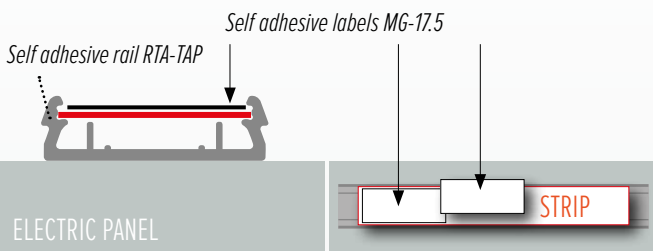
**Operating temperature range:** -30°C (-22°F) to +60°C (+140°F)

**Application temperature range:** +10°C (+50°F) to +40°C (+104°F)

0.7 mm  
PVC SF 30°C 60°C

UL94 VO RoHS COMPLIANT 2011/65/EU

self adhesive	Size mm		white	yellow	Thickness mm	Quantity
✓	15 x 430	MG-17.5-SB	990759	990760	0,7	10



**Material:** Rigid PVC, self extinguishing class V0: UL94

**Operating temperature range:** -30°C (-22°F) to +60°C (+140°F)

**Application temperature range:** +10°C (+50°F) to +40°C (+104°F)

0.5 mm  
PVC SF 30°C 60°C

UL94 VO RoHS COMPLIANT 2011/65/EU

Size mm		white	yellow	Thickness mm	Quantity
15 x 430	MG-17.5-SB	990757	990758	0,5	10



Directly on the panel.

modular legends MG-17.5 .....	page 42
modular labels MG-17.5 .....	page 37
rails RT-TAP .....	page 122



## Customisable panel plates

Print legend & rating plates with full colour logos.

- more time-efficient, cost-effective and adaptable than having plates printed by external suppliers
- matched aesthetic qualities of all printed labels, markers & legends
- provides complete inhouse control of all identification & labelling functions

Free system lifetime support & training is just a call or click away.

To request a quote complete the form on page 143

GMCK



Relevant performance standards:

- UNI EN ISO 4892-2** (resistance to UV)
- CEI 16-7** (indelibility of print)
- CEI 23-11 / CEI EN 61058-1** (indelibility of print)
- CEI EN 61010-1 / VDE 0411-1** (indelibility of print)
- CEI EN 61439-1: 2010-01** (indelibility of print)



Directly on suitable surfaces.



support template MG2-PLT with PET blank MG2-TLT .....	page 10
ribbons .....	page 11
transparent cover CPT .....	page 124

# MG-VRT-R

## Panel plates rivet fixing

*customisable*

MG-VRT-R rigid PVC panel plates are used to create name plates, rating plates, data plates using company logos, technical data, serial numbers, EC certification, etc.

Transparent Polycarbonate covers can be used for increased durability.

Consult us for availability of other colours and transparent versions.

Note: UV resistance may vary between colours.

**Material:** Rigid PVC, self extinguishing class V0: UL94

**Operating temperature range:** -30°C (-22°F) to +60°C (+140°F)

**Application temperature range:** +10°C (+50°F) to +40°C (+104°F)

**Material -HF:** Polycarbonate, Halogen Free, self extinguishing class V0: UL94

**Operating temperature range:** -40°C (-40°F) to +130°C (+266°F)



Size mm		white	yellow	grey	HF	metallic grey	red	green	black	Size of cover mm	Tags per sheet	Quantity	SW code
32 x 58	MG-VRT-R	48900N	48400N	48700NGY	48700N-HF					37 x 79	6	300	200
42 x 78	MG-VRT-R	48901	48401	48701GY	48701-HF					47 x 98	2	100	202
52 x 107	MG-VRT-R	48903	48403	48703GY	48703-HF		48223		48103	57 x 127	2	100	204
62 x 88	MG-VRT-R	48902	48402	48702GY	48702-HF					67 x 109	1	50	203
92 x 118	MG-VRT-R	48913	48413	48713GY	48713-HF		48213	48513	48113	97 x 140	1	50	813
35 x 100	MG-VRT-R	48917	48417	48717GY	48717-HF		48217				3	75	810
50 x 100	MG-VRT-R	48997									2	50	844
102 x 138	MG2-VRT-R	48928	48428	48728GY	48728-HF		48228		48128	108 x 160	1	50	207



Directly on suitable surfaces.

support template MG2-PLT with PET blank MG2-TLT ..... page 10  
 ribbons ..... page 11  
 transparent cover CPT ..... page 124

## Panel plates rivet fixing with holes

customisable

MG-VRT-RH rigid PVC panel plates are used to create name plates, rating plates, data plates using company logos, technical data, serial numbers, EC certification, etc. Transparent Polycarbonate covers can be used for increased durability.

Consult us for availability of other colours and transparent versions.

Note: UV resistance may vary between colours.

**Material:** Rigid PVC, self extinguishing class V0: UL94

**Operating temperature range:** -30°C (-22°F) to +60°C (+140°F)

**Application temperature range:** +10°C (+50°F) to +40°C (+104°F)

**Material -HF:** Polycarbonate, Halogen Free, self extinguishing class V0: UL94

**Operating temperature range:** -40°C (-40°F) to +130°C (+266°F)

# MG-VRT-RH

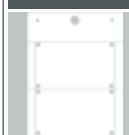


Size mm		white	HF white	yellow	grey	HF metallic grey	red	blue	black	Ø mm Holes	Tags per sheet	Quantity	SW code
15 x 52	MG-VRT-RH	48924	48924-HF						48129	2	14	350	831
15 x 80	MG-VRT-RH	48938		48438						2	7	175	828
25 x 50	MG-VRT-RH	48906		48406	48806GY	48806-HF		48606		2	8	200	860
25 x 75	MG-VRT-RH	48907		48407						2	4	100	809
25 x 80	MG-VRT-RH	48931	48931-HF						48131	2	4	100	832
25 x 100	MG-VRT-RH	48914		48414					48114	2	4	200	206
35 x 50	MG-VRT-RH	48930	48930-HF						48130	2	6	150	833
35 x 80	MG-VRT-RH	48937		48437			48237	48637		2	3	75	827
35 x 100	MG-VRT-RH	48909		48409						2	3	75	818
50 x 100	MG-VRT-RH	48911		48411	48811GY	48811-HF				4	2	50	811
75 x 120	MG-VRT-RH	48915		48415					48115	4	1	50	816
105 x 110	MG-VRT-RH	48912		48412	48712GY	48712-HF				4	1	25	859
29 x 140	MG2-VRT-RH	48932	48932-HF						48132	2	3	75	834
35 x 142	MG2-VRT-RH	48923	48923-HF							2	3	150	835
50 x 140	MG2-VRT-RH	48919	48919-HF							4	2	50	872
60 x 100	MG2-VRT-RH	48927								4	2	50	842
82 x 142	MG2-VRT-RH	48921		48421						4	1	50	836

Directly on suitable surfaces.



support template MG2-PLT with PET blank MG2-TLT ..... page 10  
 ribbons ..... page 11  
 transparent cover CPT ..... page 124



# MG-VRT-A

## Panel plates self adhesive

customisable

MG-VRT-A rigid PVC self adhesive panel plates are used to create name plates, rating plates, data plates using company logos, technical data, serial numbers, EC certification, etc. Transparent Polycarbonate covers can be used for increased durability.

Consult us for availability of other colours and transparent versions.

Note: UV resistance may vary between colours.

**Material:** Rigid PVC, self extinguishing class V0: UL94

**Operating temperature range:** -30°C (-22°F) to +60°C (+140°F)

**Application temperature range:** +10°C (+50°F) to +40°C (+104°F)

**Material -HF:** Polycarbonate, Halogen Free, self extinguishing class V0: UL94

**Operating temperature range:** -40°C (-40°F) to +130°C (+266°F)



Size mm	self adhesive	white	HF white	yellow	grey	HF metallic grey	red	blue	green	black	Size of cover mm	Tags per sheet	Quantity	SW code
20 x 110	✓	MG-VRT-A				88765-HF						5	125	779
25 x 50	✓	MG-VRT-A	88916	88416	88716GY	88716-HF	88216	88616	88516	88116		8	200	853
25 x 80	✓	MG-VRT-A	88908	88408	88708GY	88708-HF	88208	88608		88108		4	100	861
25 x 100	✓	MG-VRT-A	88905	88405			88205	88605		88005		4	100	205
32 x 58	✓	MG-VRT-A	88900N	88400N	88700NGY	88700N-HF	88200N	88600N		88000N	37 x 79	6	150	200
35 x 75	✓	MG-VRT-A	88945	88445								3	75	825
35 x 100	✓	MG-VRT-A	88917	88417	88717GY	88717-HF	88217	88617	88517	88007		3	75	810
42 x 78	✓	MG-VRT-A	88901	88901-HF	88401	88701GY	88701-HF	88201	88601		47 x 98	2	50	202
50 x 50	✓	MG-VRT-A	88918	88418						88118		4	100	858
52 x 107	✓	MG-VRT-A	88903	88403	88703GY	88703-HF	88203	88603		88103	57 x 127	2	50	204
57 x 87,5	✓	MG-VRT-A	88971		88771GY	88771-HF						2	50	841
62 x 88	✓	MG-VRT-A	88902	88402	88702GY	88702-HF					67 x 109	1	25	203
92 x 118	✓	MG-VRT-A	88913	88413	88713GY	88713-HF	88213	88613		88113	97 x 140	1	25	813
105 x 110	✓	MG-VRT-A	88904	88404	88704GY	88704-HF	88204					1	25	812
25 x 140	✓	MG2-VRT-A	88946	88446								4	100	824
40 x 138	✓	MG2-VRT-A	88935				88235			88135		2	50	822
60 x 100	✓	MG2-VRT-A	88962									2	50	821
65 x 122	✓	MG2-VRT-A	88963									1	25	845
90 x 140	✓	MG2-VRT-A	88964									1	25	846
102 x 138	✓	MG2-VRT-A	88928	88428	88728GY	88728-HF	88228	88628		88128	108 x 160	1	50	207



Directly on suitable surfaces.

support template MG2-PLT with PET blank MG2-TLT ..... page 10  
 ribbons ..... page 11  
 transparent cover CPT ..... page 124

## Panel plates self adhesive with holes

customisable

MG-VRT-AH rigid PVC self adhesive panel plates are used to create name plates, rating plates, data plates using company logos, technical data, serial numbers, EC certification, etc. Transparent polycarbonate covers can be used for increased durability.

Consult us for availability of other colours.

Note: UV resistance may vary between colours.

**Material:** Rigid PVC, self extinguishing class V0: UL94

**Operating temperature range:** -30°C (-22°F) to +60°C (+140°F)

**Application temperature range:** +10°C (+50°F) to +40°C (+104°F)

**Material -HF:** Polycarbonate, Halogen Free, self extinguishing class V0: UL94

**Operating temperature range:** -40°C (-40°F) to +130°C (+266°F)

# MG-VRT-AH

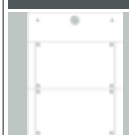


Size mm	self adhesive		white	yellow	grey	HF metallic grey	red	blue	black	Ø mm Holes	Tags per sheet	Quantity	SW code
15 x 52	✓	MG-VRT-AH	88940						88140	2	14	350	831
20 x 40	✓	MG-VRT-AH	88920	88420	88720GY	88720-HF				2	10	250	864
25 x 50	✓	MG-VRT-AH	88906	88406						2	8	200	860
25 x 75	✓	MG-VRT-AH	88907	88407			88207			2	4	100	809
25 x 80	✓	MG-VRT-AH	88942						88142	2	4	100	832
25 x 100	✓	MG-VRT-AH	88914	88414						2	4	100	206
35 x 50	✓	MG-VRT-AH	88941						88141	2	6	150	833
35 x 75	✓	MG-VRT-AH	88929							2	3	75	817
35 x 85	✓	MG-VRT-AH	88944							2	3	75	823
35 x 100	✓	MG-VRT-AH	88909	88409						2	3	75	818
35 x 100	✓	MG-VRT-AH	88910	88410						4	3	75	818
42 x 78	✓	MG-VRT-AH	88922	88422						2	2	50	819
50 x 100	✓	MG-VRT-AH	88911	88411		88711-HF				4	2	50	811
75 x 120	✓	MG-VRT-AH	88915	88415					88115	4	1	25	816
105 x 110	✓	MG-VRT-AH	88912	88412	88712GY	88712-HF				4	1	25	859
25 x 140	✓	MG2-VRT-AH	88927	88427						2	4	100	871
29 x 140	✓	MG2-VRT-AH	88943						88143	2	3	75	834
30 x 115	✓	MG2-VRT-AH	88967	88467						2	3	75	780
35 x 142	✓	MG2-VRT-AH	88939							2	3	75	835
40 x 150	✓	MG2-VRT-AH	88968	88468						2	2	50	781
50 x 140	✓	MG2-VRT-AH	88919					88619		4	2	50	872
50 x 150	✓	MG2-VRT-AH	88956							4	2	50	843
82 x 142	✓	MG2-VRT-AH	88938							4	1	25	836
102 x 138	✓	MG2-VRT-AH					88237	88637		4	1	25	208

Directly on suitable surfaces.



support template MG2-PLT with PET blank MG2-TLT ..... page 10  
 ribbons ..... page 11  
 transparent cover CPT ..... page 124



# MG-SIGNS

MARKINGENIUS®

## Panel legends

*precut*

The MG-SIGNS series is used for in-house production of warning, hazard, prohibition and mandatory signs from pictograms provided in the library of GENIUSPRO software. A highly versatile system for rapidly and accurately producing signs in all languages, on a one-off basis if required.

**Material:** Rigid PVC, self extinguishing class V0: UL94

**Operating temperature range:** -30°C (-22°F) to +60°C (+140°F)

**Application temperature range:** +10°C (+50°F) to +40°C (+104°F)



Shape	Size mm	self adhesive	white	yellow	metallic grey	red	Ø mm Holes	Tags per sheet	Quantity	SW code
	37 x 74			990713				2	100	271
	52 x 105			990714				2	100	272
	Ø 62			990743			22,5	1	50	252
	Ø 62		990930				30	1	50	
	Ø 90			990744			22,5	1	50	263
	Ø 90			990745			30,5	1	50	264
	100	✓		990704				1	50	262
	Ø 40	✓	990927	990928		990858		4	200	250
	Ø 100	✓	990705					1	50	253
	37 x 74	✓		990711				2	100	271
	52 x 105	✓		990712				2	100	272



Directly on suitable surfaces.

support template MG2-PLT with PET blank MG2-TLT ..... page 10  
ribbons ..... page 11

## Panel labels

*precut*

The MG-SIGNS series is used for in-house production of warning, hazard, prohibition and mandatory signs from pictograms provided in the library of GENIUSPRO software. A highly versatile system for rapidly and accurately producing signs in all languages, on a one-off basis if required.

**Material:** PVC film

**Operating temperature range:** -30°C (-22°F) to +70°C (+158°F)

**Application temperature range:** +10°C (+50°F) to +40°C (+104°F)

# MG-SIGNS



0.3 mm **PVC** **SF** **-30°C** **+70°C** **UL94 VO** **RoHS COMPLIANT 2011/65/EU**

Shape	Size mm	self adhesive		white	yellow	metallic grey	red	Ø mm Holes	Tags per sheet	Quantity	SW code
	50	✓	MG-SIGNS-VY		<b>990700N</b>				4	200	241
	100	✓	MG-SIGNS-VY		<b>990701</b>				1	50	242
	50	✓	MG-SIGNS-VY		<b>990857</b>				4	200	260
	Ø 25	✓	MG-SIGNS-VY	<b>990860</b>	<b>990859</b>		<b>990992</b>		12	600	236
Ø 100		✓	MG-SIGNS-VY	<b>990702</b>	<b>990866</b>				1	50	238
	37 x 74	✓	MG-SIGNS-VY		<b>990709</b>				2	100	246
	52 x 105	✓	MG-SIGNS-VY	<b>990825</b>	<b>990710</b>				2	100	247
	62	✓	MG-SIGNS-VY		<b>990740</b>			22,5	1	50	232
	90	✓	MG-SIGNS-VY		<b>990741</b>			22,5	1	50	233
	90	✓	MG-SIGNS-VY		<b>990742</b>			30,5	1	50	234
	45 x 150	✓	MG2-SIGNS-VY	<b>990991</b>					2	100	275
	46 x 46	✓	MG-SIGNS-PY			<b>47826</b>		24	4	200	230



Directly on suitable surfaces.



support template MG2-PLT with PET blank MG2-TLT ..... page 10  
 ribbons ..... page 11

# ROLLY2000

## ROLLY2000

### Thermal transfer printer for roll media



Robust and quiet, ROLLY2000 provides reliable, intensive operation in office or factory combined with the facility to optimise printer set-up according to the media.

ROLLY2000 is delivered complete with power & connection cables and GENIUSPRO software including a universal driver for Windows® (7, 8 & 10) to ensure program compatibility.

ROLLY2000 is ideal for printing all Cembre flat material on rolls, eg. cable tags for holders, tie on, wraparound cable markers, legend strips and labels.

Maximum print area: 105 mm wide, up to 2.000 mm long.

#### SPEED

prints 1.000 4x10 cable tags in less than two minutes

#### CONVENIENCE

software provides quick and easy upload of the data to be printed

#### ECONOMY

prints around 140.000 4x10 cable tags with a single ribbon

#### QUALITY

printer resolution 300 dpi

#### Printer Dimensions:

- Length 446 mm (17.55 in.)
- Width 242 mm (9.52 in.)
- Height 274 mm (10.78 in.)
- Weight 9 kg (19.84 lbs.)



Printer ROLLY2000 990910

Mains cable

USB cable

Cover

Black printer ribbon TPS-060 842112

CD Software

#### ROLLY2000 PRINTABLE MATERIAL

TPM-ROLL cable tags with holders .....	page 51
ETF-ROLL cable tags .....	page 52
TAR-ROLL cable tags.....	page 53
KM-ROLL wraparound cable markers.....	page 54
VCT-ROLL lables .....	page 55
STRIP-ROLL modular strips .....	page 56
TTL labels .....	page 57
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## Thermal transfer printer for roll media

*for heat shrinkable tubing*

Robust and quiet, ROLLY2000TR1 provides reliable, intensive operation in office or factory combined with the facility to optimise printer set-up according to the media.

ROLLY2000TR1 is delivered complete with power & connection cables and GENIUSPRO software including a universal driver for Windows® (7, 8 & 10) to ensure program compatibility.

ROLLY2000TR1 is designed for optimum single side printing of TERMO-ROLL heat shrinkable tubing and particularly suitable for intensive use of this material in ladder format on a roll.

### Printer Dimensions:

- Length 446 mm (17.55 in.)
- Width 242 mm (9.52 in.)
- Height 274 mm (10.78 in.)
- Weight 9 kg (19.84 lbs.)



# ROLLY2000TR1



### SPEED

1.000 heat shrinkable tubing M2-32-25-YE1  
in less than three minutes

### CONVENIENCE

software provides quick and easy upload of the data to be printed

### ECONOMY

prints around 55.000 heat shrinkable tubes M2-32-25-YE1  
with one ribbon TRR-055

### QUALITY

printer resolution 300 dpi

Printer ROLLY2000TR1 990980

- Mains cable
- USB cable
- Cover
- Black printer ribbon TTR-055 842121
- CD Software



### ROLLY2000TR1 PRINTABLE MATERIAL

- KM-ROLL wraparound cable markers..... page 54
- VCT-ROLL labels ..... page 55
- STRIP-ROLL modular strips ..... page 56
- TTF continuous material..... page 60
- TERMO-ROLL heat shrinkable tubing..... page 62

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# ROLLY2000TR2



## SPEED

1.000 heat shrinkable tubing M2-32-25-YE1  
in less than three minutes

## CONVENIENCE

software provides quick and easy upload of the data to be printed

## ECONOMY

prints around 55.000 heat shrinkable tubes M2-32-25-YE1  
with two ribbon TRR-055

## QUALITY

printer resolution 300 dpi



## ROLLY2000

### Thermal transfer printer for roll media

*double head, for heat shrinkable tubing*

Robust and quiet, ROLLY2000TR2 provides reliable, intensive operation in office or factory combined with the facility to optimise printer set-up according to the media.

ROLLY2000TR2 is delivered complete with power & connection cables and GENIUSPRO software including a universal driver for Windows® (7, 8 & 10) to ensure program compatibility.

ROLLY2000TR2 is designed to optimise printing simultaneously on both sides of TERMO-ROLL heat shrinkable tubing in ladder format on a roll.

**Dedicated to high level applications where dual marking is an essential specification, eg in many rail, marine and aeronautic applications.**

#### Printer Dimensions:

- Length 554 mm (21.8 in.)
- Width 248 mm (9.76 in.)
- Height 395 mm (15.55 in.)
- Weight 21 kg (46.3 lbs.)



Printer ROLLY2000TR2 990981

- Mains cable
- USB cable
- Cover
- 2 Black printer ribbons TTR-055 842121
- CD Software

## ROLLY2000TR2 PRINTABLE MATERIAL

TERMO-ROLL double head heat shrinkable tubing .. page 62



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**Cutters and accessories**

*for thermal transfer printer on roll media*

**ROLLY2000-CUTTER 990856**

Fits to front of printer. Automatically cuts to length continuous TTL and flexible TTF material.

**ROLLY2000TR-CUTTER 990982**

Fits to front of printer. Automatically cuts or perforates to length Termo-roll continuous heat shrinkable tubing.



**HEAT GUN EHG 2000** variable temperature, power 2000W, for heat shrinkable tubing TERMO-ROLL

- Weight: 850 g (1.9 lbs)
- Temperature: +50°C to +600°C
- Voltage: 230-240 V - 50 Hz



**DISPENSER DSP-TCS**

Mobile dispensing and preparation frame for convenient use of bulk.



**DESK-DISPENSER DSPB-TCS** Mobile dispensing and preparation stand for convenient use of bulk.



ACCESSORIES



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# RIBBONS

## ROLLY2000

### Monochrome ribbons

for thermal transfer printer on reel

ROLLY2000 premium quality ribbons provide resin based indelible print in accordance with the scratch and abrasion resistance requirements of CEI 16-7.

TPPS-060 PREMIUM for printing Halogen Free material.



Code	black	blue	red	green	grey	white	Print area mm	Width mm	Length m	Quantity
TPS-060	842112	842113	842115	842114	842116	842122	105	112	200	1
TPPS-06 PREMIUM	842212						105	110	350	1

TR Ribbons provide resin based indelible print in accordance with the scratch and abrasion resistance requirements of CEI 16-7.

Specifically formulated for printing heat shrinkable tubing

Code	black	blue	red	green	grey	white	Print area mm	Width mm	Length m	Quantity
TRR-055	842121						105	60	360	1
TRPR-060 PREMIUM	844121						105	60	360	1

The legibility of print produced on Cembre media by MG2-ETR and MG2-EPTR black ribbons meets the requirements of:

**EN ISO 4892-2:** UV resistance

**CEI 16-7:** Resistance to abrasion and friction

**CEI 16-7:** Effect of ageing

**CEI 23-11 / CEI EN 61058-1:** Indelibility

**CEI EN 61010-1 / VDE 0411-1:** Indelibility

**Test interno Cembre:** Indelibility

**EN ISO 9227:** Saline mist

**CEI EN 60464-2:** Resistance to solvent vapour

**DIN 30643:** Resistance to abrasion and rubbing

**UNI EN ISO 175:** Effect of immersion in liquid chemicals

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### Cable tags with holders

*precut 4mm push in markers, on a roll*

TPM-ROLL tags are used for marking cables, conduit, tubes, conductors and components.

Presented in stem format, tags are simply snapped off their stems and inserted into the appropriate holders.

**Material:** Rigid PVC, self extinguishing class V0: UL94

**Operating temperature range:** -30°C (-22°F) to +60°C (+140°F)

# TPM-ROLL



0.4 mm  
**PVC** **30°C** **60°C**

**UL94 V0** **RoHS COMPLIANT 2011/65/EU**

Size mm		white	yellow	Quantity	SW code
4 x 10	EASY ENTRY	44090B	44040B	16.356	4020
4 x 12	EASY ENTRY	44091B	44041B	12.552	4022
4 x 15	EASY ENTRY	44092B	44042B	12.552	4023
4 x 20		44093	44043	10.200	4005
4 x 30	EASY ENTRY	44096B	44046B	6.270	4026
4 x 40		44097	44047	5.005	4007



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 tag holders PMF-ET.....page 107



# ETF-ROLL



## ROLLY2000

### Cable & conduit tags tie-on

*precut, one piece markers*

ETF-ROLL tags are used with cable ties for marking large diameter cables, hoses, tubes and conduit.

**Material:** Rigid PVC, self extinguishing class V0: UL94

**Operating temperature range:** -30°C (-22°F) to +60°C (+140°F)

**Material -HF:** Polycarbonate PC, Halogen Free, self extinguishing class V0: UL94

**Operating temperature range:** -40°C (-104°F) to +130°C (+266°F)

**Material -PU:** Thermoplastic-Polyether-Polyurethane TPU, Halogen Free, Flame Retardent, self extinguishing class V0: UL94

**Operating temperature range:** -25°C (-13°F) to +80°C (+230°F)

0.4 mm  
**PVC** -30°C +60°C

**UL94 V0** RoHS COMPLIANT 2011/65/EU

Size mm		white	yellow	red	blue	Print area mm	Quantity	SW code
13 x 57	ETF-ROLL	44192	44142	44122	44162	11 x 35	1.775	4400

0.4 mm  
**PC HF** -40°C +130°C

**UL94 V0** RoHS COMPLIANT 2011/65/EU

Size mm		white	yellow	red	blue	green	orange	Print area mm	Quantity	SW code
13 x 57	ETF-ROLL	44192-HF	44142-HF	44122-HF	44162-HF	44152-HF	44132-HF	11 x 35	1.775	4400

0.6 mm  
**TPU HF** -25°C +80°C

**UL94 V0** RoHS COMPLIANT 2011/65/EU

Size mm		white	yellow	Print area mm	Quantity	SW code
10 x 60	ETF-ROLL-PU	44390	44340	8 x 40	1.000	4450



*Directly on cables using appropriate cable ties*

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cable ties max width 4,8 mm ..... page 114

### Legends

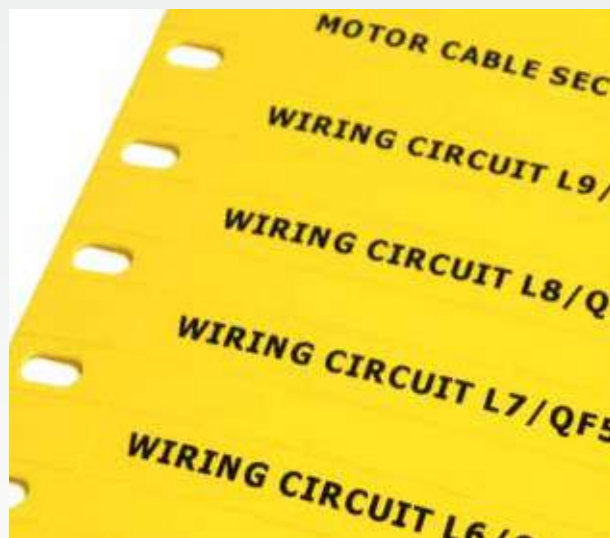
*precut*

TAR-ROLL tags are used for marking cables, conduit, tubes, conductors and components.

**Material:** Rigid PVC, self extinguishing class V0: UL94

**Operating temperature range:** -30°C (-22°F) to +60°C (+140°F)

# TAR-ROLL



0.4 mm  
**PVC** **SF** **-30°C** **+60°C**

**UL94 V0** **RoHS COMPLIANT 2011/65/EU**

Size mm	white	yellow	Quantity	SW code
9 x 20	75098		5.800	4301
9 x 70	75099	75049	1.450	4300



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# KM-ROLL

## ROLLY2000

### Wraparound cable markers

*self adhesive, precut, Halogen Free*

KM-ROLL wraparound cable markers are suitable for identifying large diameter cables, tubes and conduit.

Printing on ROLLY2000, is exceptionally clear and legible and is protected from chemical and atmospheric agents.



**Material:** Polyester film (PET)

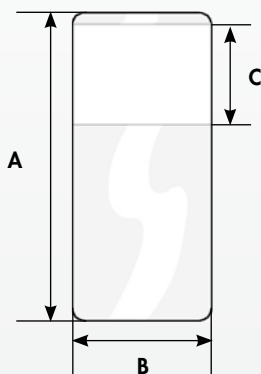
**Operating temperature range:** -40°C (-104°F) to +130°C (+266°F).

**Application temperature range:** +10°C (+50°F) to +40°C (+140°F)

**PET** **HF** **-40°C** **+130°C**



Overall Length A mm	Wrapping diameter mm	Print area CxB mm		white	yellow	Columns	Rows	Quantity	SW code
2,6 ÷ 4,1	25	9 x 15	KM-ROLL025	58955-015N	58455-015N	5	1.700	8.500	4600
		9 x 23	KM-ROLL025	58955-023N	58455-023N	4	1.700	6.800	4601
4,3 ÷ 7	38	10 x 15	KM-ROLL038	58950-015N	58450-015N	5	1.200	6.000	4602
		10 x 23	KM-ROLL038	58950-023N	58450-023N	4	1.200	4.800	4603
6 ÷ 10	50	15 x 15	KM-ROLL050	58951-015N	58451-015N	5	900	4.500	4.604
		15 x 23	KM-ROLL050	58951-023N	58451-023N	4	900	3.600	4.605
8 ÷ 14	75	25 x 15	KM-ROLL075	58952-015N	58452-015N	5	600	3.000	4606
		25 x 23	KM-ROLL075	58952-023N	58452-023N	4	600	2.400	4607
12 ÷ 20	100	25 x 15	KM-ROLL100	58953-015N	58453-015N	5	480	2.400	4608
		25 x 23	KM-ROLL100	58953-023N	58453-023N	4	480	1.920	4609
20 ÷ 25	135	25 x 15	KM-ROLL135	58954-015N	58454-015N	5	350	1.750	4610
		25 x 23	KM-ROLL135	58954-023N	58454-023N	4	350	1.400	4611



Directly on cables, etc in accordance with wrapping diameter limitations shown for each size.

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**Self adhesive labels**

*precut*

Dielectric labels on a roll, with permanent adhesive backing and increased resistance to ageing.

**Material:** PVC Coated fabric

**Operating temperature range:** -40°C to +150°C

**Application temperature range:** +10°C (+50°F) to +40°C (+140°F)

VCT-ROLL



coated PVC SF -40°C +150°C



Size mm	yellow	Quantity	SW code
9 x 20	48044	8.000	4502
15 x 50	48142	5.000	4503
40 x 7	48043	6.000	4500
100 x 10	48042	2.000	4501



Directly on suitable surfaces.



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# STRIP-ROLL

## ROLLY2000

### Modular component legend strips

on reel

Continuous STRIP-ROLL can be used for the identification of modular components.

GENIUSPRO software allows max label length 1.000 mm, with the ability to customise the pitch.



**Material:** Rigid PVC, self extinguishing class V0: UL94

**Operating temperature range:** -30°C (-22°F) to +60°C (+140°F)



Height mm	Tracks		white	yellow	Length mm	Length Print area mm	Quantity	SW Code
15	4	STRIP-ROLL-R	13160	13164	25	430	1	5002
						630		5102
						1.000		5202
21	3	STRIP-ROLL-R	13161	13171	25	430	1	5005
						1.000		5205
36	2	STRIP-ROLL-R	13162	13172	25	430	1	5006
						1.000		5206
40	2	STRIP-ROLL-R	13179	13174	25	free	1	4294
80	1	STRIP-ROLL-R	13290	13240	25	free	1	4282

**Material:** Polyester film

**Operating temperature range:** -40°C (-104°F) to +130°C (+266°F)

**Application temperature range:** +10°C (+50°F) to +40°C (+140°F)



Height mm	Tracks	self adhesive	white	Length mm	Length Print area mm	Quantity	SW Code	
15	4	✓	STRIP-ROLL-PY	13189	25	430	1	5002
						630		5102
						1.000		5202



Directly on suitable surfaces.

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### Thermal transfer labels

*self adhesive, on a roll*

Thermal transfer labels are made from materials which are not temperature sensitive and whose surfaces are treated to accept the pigment from the ribbon heated by the print head.

Labels are normally die cut on a roll and arranged horizontally with respect to the printer output, although some are arranged vertically.

When not in use, labels will maintain their good condition if stored in their original packaging and not subject to excessive heat or significant temperature variation. They should be removed from their packaging only at the time of use and not exposed to moisture for long periods.



white		yellow	metallic grey		
WVYG	WPYG	YVYG	SVYG	PPYG	Material
PVC film outdoor	Polyester film	PVC film outdoor	PVC film outdoor	Polyester film	
-30°C	-40°C	-30°C	-30°C	-40°C	Min operating temperature
+70°C	+130°C	+70°C	+70°C	+130°C	Max operating temperature
+10°C	+10°C	+10°C	+10°C	+10°C	Min application temperature
+40°C	+40°C	+40°C	+40°C	+40°C	Max application temperature
gloss	gloss	gloss	gloss	gloss	Surface
80µ	50µ	80µ	730µ	50µ	Thickness
★★★★	★	★★★★	★★★★	★★	UV resistance
✓	✓	✓	✓	✓	Permanent adhesive



TTL

ROLLY2000

## Rectangular labels, horizontal arrangement

SF



Size mm	Tracks	C mm	D mm	Code	white outdoor	yellow outdoor	metallic grey outdoor	metallic grey	white	Quantity	SW code
5 x 12,7	5	82	158	8400001	WVYG	WPYG	YVYG	SVYG	PPYG	49.500	4125
5 x 20	4	93	158	8400123	WVYG	WPYG	YVYG	SVYG	PPYG	40.000	4126
6 x 15	5	93	135	8400101	WVYG	WPYG	YVYG	SVYG	PPYG	30.000	4100
6,3 x 19	3	72	158	8400005	WVYG	WPYG	YVYG	SVYG	PPYG	25.665	4129
7 x 10	5	70	158	8400093	WVYG	WPYG	YVYG	SVYG	PPYG	40.000	4113
7 x 15	4	77	158	8400008	WVYG	WPYG	YVYG	SVYG	PPYG	32.000	4102
7 x 20	3	75	158	8401010	WVYG	WPYG	YVYG	SVYG	PPYG	24.000	4101
8 x 12	4	65	158	8400091	WVYG	WPYG	YVYG	SVYG	PPYG	29.080	4109
9 x 15	4	76	158	8400092	WVYG	WPYG	YVYG	SVYG	PPYG	26.660	4107
9 x 20	3	72	158	8400017	WVYG	WPYG	YVYG	SVYG	PPYG	19.995	4106
9 x 38	2	88	158	8400094	WVYG	WPYG	YVYG	SVYG	PPYG	13.330	4108
10 x 32	2	73	158	8400081	WVYG	WPYG	YVYG	SVYG	PPYG	12.300	4146
12 x 25	3	89	158	8400023	WVYG	WPYG	YVYG	SVYG	PPYG	16.005	4112
12 x 35	2	80	158	8400088	WVYG	WPYG	YVYG	SVYG	PPYG	10.660	4148
12 x 40	2	89	158	8400024	WVYG	WPYG	YVYG	SVYG	PPYG	10.660	4149
12,7 x 50	2	111	138	8400028	WVYG	WPYG	YVYG	SVYG	PPYG	8.000	4153
15 x 20	4	95	158	8400029	WVYG	WPYG	YVYG	SVYG	PPYG	17.760	4155
15 x 27	3	94	158	8401008	WVYG	WPYG	YVYG	SVYG	PPYG	13.320	4120
15 x 34	2	77	135	8400030	WVYG	WPYG	YVYG	SVYG	PPYG	6.500	4156
15 x 78	1	89	158	8400031	WVYG	WPYG	YVYG	SVYG	PPYG	4.440	4157
18 x 30	3	103	158	8400032	WVYG	WPYG	YVYG	SVYG	PPYG	11.415	4105
18 x 47	2	103	158	8400034	WVYG	WPYG	YVYG	SVYG	PPYG	7.610	4159
21 x 70	1	76	158	8400070	WVYG	WPYG	YVYG	SVYG	PPYG	3.330	4162
22 x 40	2	89	135	8400038	WVYG	WPYG	YVYG	SVYG	PPYG	4.800	4164
22 x 110	1	116	158	8400067	WVYG	WPYG	YVYG	SVYG	PPYG	3.200	4165
25 x 45	2	99	158	8400073	WVYG	WPYG	YVYG	SVYG	PPYG	5.710	4168
25 x 80	1	86	120	8400075	WVYG	WPYG	YVYG	SVYG	PPYG	2.100	4170
25,7 x 50	2	111	135	8400041	WVYG	WPYG	YVYG	SVYG	PPYG	4.200	4172
30 x 50	1	60	158	8400042	WVYG	WPYG	YVYG	SVYG	PPYG	2.420	4175
30 x 80	1	86	158	8400072	WVYG	WPYG	YVYG	SVYG	PPYG	2.420	4176
30 x 100	1	111	158	8400044	WVYG	WPYG	YVYG	SVYG	PPYG	2.420	4177
34 x 60	1	66	165	8400066	WVYG	WPYG	YVYG	SVYG	PPYG	3.200	4182
37 x 74	1	82	158	8400049	WVYG	WPYG	YVYG	SVYG	PPYG	2.000	4186
40 x 60	1	72	158	8400050	WVYG	WPYG	YVYG	SVYG	PPYG	1.860	4110
40 x 80	1	89	165	8400051	WVYG	WPYG	YVYG	SVYG	PPYG	2.800	4188
40 x 90	1	96	158	8400083	WVYG	WPYG	YVYG	SVYG	PPYG	1.860	4121
50 x 80	1	89	165	8400053	WVYG	WPYG	YVYG	SVYG	PPYG	2.200	4192
52 x 105	1	111	163	8400054	WVYG	WPYG	YVYG	SVYG	PPYG	2.100	4194
60 x 80	1	89	158	8400055	WVYG	WPYG	YVYG	SVYG	PPYG	1.265	4195
60 x 100	1	111	220	8400056	WVYG	WPYG	YVYG	SVYG	PPYG	1.850	4197
75 x 105	1	111	158	8400086	WVYG	WPYG	YVYG	SVYG	PPYG	600	4199

Rectangular labels, vertical arrangement



SF



Size mm	Tracks	C mm	D mm	Code	white outdoor	yellow outdoor	metallic grey outdoor	metallic grey	white	Quantity	SW code
63 x 45,5	2	103	165	8400052	WVYG	WPYG	YVYG	SVYG	PPYG	1.500	4250
105 x 90	1	111	158	8400097	WVYG	WPYG	YVYG	SVYG	PPYG	700	4251
120 x 60	1	72	163	8400057	WVYG	WPYG	YVYG	SVYG	PPYG	950	4252
120 x 70	1	76	158	8400079	WVYG	WPYG	YVYG	SVYG	PPYG	650	4253
130 x 64,5	1	72	158	8400058	WVYG	WPYG	YVYG	SVYG	PPYG	600	4254
140 x 98	1	103	165	8400059	WVYG	WPYG	YVYG	SVYG	PPYG	800	4255
180 x 51	2	111	125	8400095	WVYG	WPYG	YVYG	SVYG	PPYG	540	4256
180 x 105	1	111	153	8400061	WVYG	WPYG	YVYG	SVYG	PPYG	500	4257

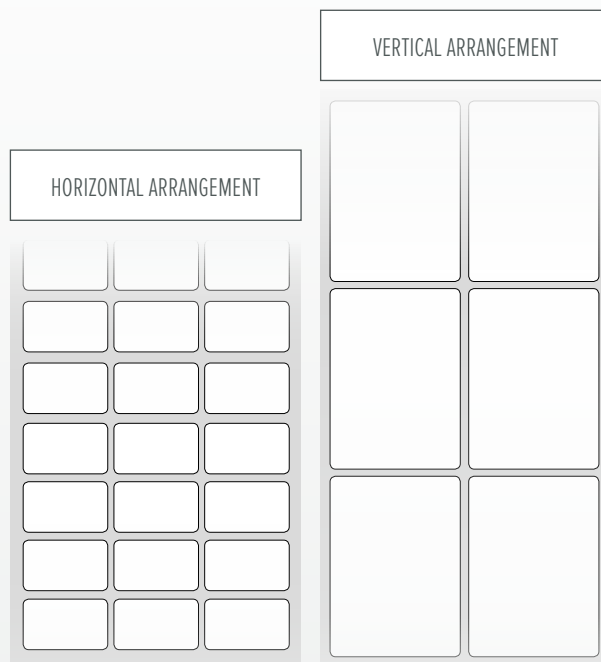
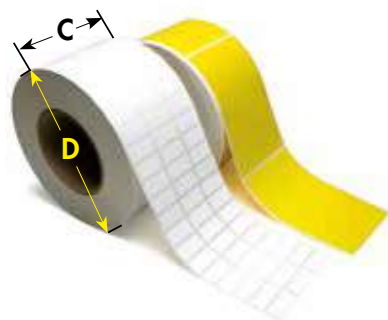
Square labels

SF



Size mm	Tracks	C mm	D mm	Code	white outdoor	yellow outdoor	metallic grey outdoor	metallic grey	white	Quantity	SW code
16 x 16	5	103	158	8402000	WVYG	WPYG	YVYG	SVYG	PPYG	21.050	4200
20 x 20	4	95	158	8403000	WVYG	WPYG	YVYG	SVYG	PPYG	13.900	4201
30 x 30	3	103	158	8403001	WVYG	WPYG	YVYG	SVYG	PPYG	7.260	4202
40 x 40	2	89	158	8402003	WVYG	WPYG	YVYG	SVYG	PPYG	3.720	4203
70 x 70	1	77	158	8403003	WVYG	WPYG	YVYG	SVYG	PPYG	1.600	4204
100 x 100	1	111	158	8403004	WVYG	WPYG	YVYG	SVYG	PPYG	1.100	4205

- Spool diameter  $\varnothing$  76 mm (3 in.)
- Max print area 105 mm



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# TTF

## ROLLY2000

### Continuous material

for thermal transfer printing, on a roll

Continuous material is made from materials which are not temperature sensitive and whose surfaces are treated to accept the pigment from the ribbon heated by the print head.

When not in use, labels will maintain their good condition if stored in their original packaging and not subject to excessive heat or significant temperature variation. They should be removed from their packaging only at the time of use and not exposed to moisture for long periods.



white		yellow			blue	metallic grey		transparent			
WVYG	WPYG/5	WPYG	WVRG	YVYG	YVYG/5	YVRG	BVYG/5	SVYG	PPYG	CPYG	Material
PVC film outdoor	PVC film outdoor	Polyester film	rigid PVC	PVC film outdoor	PVC film outdoor	rigid PVC	PVC film outdoor	PVC film outdoor	Polyester film	PET film	
-30°C	-30°C	-40°C	-40°C	-30°C	-30°C	-40°C	-30°C	-30°C	-40°C	-40°C	Min operating temperature
+70°C	+70°C	+130°C	+60°C	+70°C	+70°C	+60°C	+70°C	+70°C	+130°C	+130°C	Max operating temperature
+10°C	+10°C	+10°C	+10°C	+10°C	+10°C	+10°C	+10°C	+10°C	+10°C	+10°C	Min application temperature
+40°C	+40°C	+40°C	+40°C	+40°C	+40°C	+40°C	+40°C	+40°C	+40°C	+40°C	Max application temperature
gloss	gloss	gloss	gloss	gloss	gloss	gloss	gloss	gloss	gloss	gloss	Surface
80µ	80µ	50µ	50µ	80µ	80µ	50µ	80µ	730µ	50µ	23µ	Thickness
★★★★	★★★★	★	★	★★★★	★★★★	★	★★★★	★★★★	★★	★★★	UV resistance
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Permanent adhesive

### Continuous material



Width mm	Length m	tipo	white outdoor	yellow outdoor	Quantity	SW code
25	100	8506002	WVRG	YVRG	1	4290



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Self adhesive continuous material



Width mm	Length m	self adhesive	Code	white outdoor	yellow outdoor	metallic grey outdoor	metallic grey	transparent	white	Quantity	SW code
25,4	125	✓	8506012	WVYG	YVYG	SVYG	PPYG	CPYG	WPYG	1	4287
35	125	✓	8506003	WVYG	YVYG	SVYG	PPYG	CPYG	WPYG	1	4280
40	125	✓	8506004	WVYG	YVYG	SVYG	PPYG	CPYG	WPYG	1	4281
50	125	✓	8506011	WVYG	YVYG	SVYG	PPYG	CPYG	WPYG	1	4283
58	125	✓	8506010	WVYG	YVYG	SVYG	PPYG	CPYG	WPYG	1	4285
80	125	✓	8506001	WVYG	YVYG	SVYG	PPYG	CPYG	WPYG	1	4282
105	125	✓	8506000	WVYG	YVYG	SVYG	PPYG	CPYG	WPYG	1	4284

Self adhesive continuous material, reflective finish



Width mm	Length m	self adhesive	Code	white outdoor	yellow outdoor	blue outdoor	Quantity	SW code
35	24	✓	8506007	WVYG/5	YVYG/5		1	4287
80	24	✓	8506008	WVYG/5	YVYG/5		1	4280
105	24	✓	8506006	WVYG/5	YVYG/5		1	4281
115	24	✓	8506009			BVYG/5	1	4283

Aluminium mounting plates

round corners, thickness 0,5 mm

Cembre TTL and TTF labels stuck to Aluminium mounting plates are easily fixed to poles, columns, pylons and structures via the slot or holes provided.



When used externally the application of an additional transparent film CPYG, will improve resistance to environmental agents.



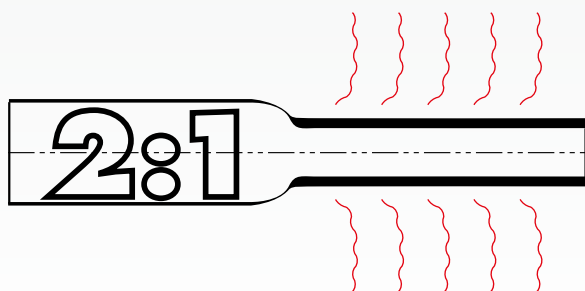
Code	Size mm	white	Fixing	Use with
GMC-2751S	225 x 120	x	slots	TTL8400061, GMC-2700S+TTL8400097
GMC-2907S	430 x 120	x	slots	
GMC-2678S	115 x 200	x	2 holes+ slots	TTL8400061
GMC-2732S	70 x 140	x	2 holes	TTL8400057
GMC-3101S	200 x 80	x	2 holes	



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TT FOR REEL MEDIA

# TERMO-ROLL H2



## ROLLY2000

### Heat shrinkable tubing High Grade 2:1

*ladder & continuous, shrinkage ratio 2:1*

H2 type heat shrinkable tubing is used to provide highly legible and resistant identification of cables, pipes, conduits, etc within a minimum space.

Halogen Free composition provides flame retardancy and low smoke emission characteristics suitable for safety critical applications including closed environments such as tunnels and subways, rail installations, marine and industrial applications.

**Material:** Irradiated Polyolefin, shrinkage ratio 2:1

**Operating temperature range:** -30°C (-22°F) to +105°C (+221°F)

**Minimum shrinkage temperature:** > +90°C (+221°F)

*Technical*

#### Resistance to liquids, after the shrinkage

MIL-STD-202G test method 215 2002 (MIL-81531/SAE-AS81531-1998 clause 3.4.3)

EN 50343:2003 Railway applications, signalling and subways - Rolling stock - Rules for installation of cabling

Meets the requirements for fire testing of materials and components for trains in EN 45545-2:2013 N°010.1IS0040/15



Internal Ø before shrinking mm	Cable ext. Ø range mm	Cable c.s.a range mm <sup>2</sup>	white	yellow	Length mm	Tubes per step	Quantity	SW Code
2,4	1,6 ÷ 2	0,25 ÷ 0,5	H2-24-12.5-WH1		12,5	4	4.000	4800
			H2-24-25-WH1	H2-24-25-YE1	25	2	2.000	4802
			H2-24-50-WH1		50	1	1.000	4804
3,2	1,8 ÷ 2,8	0,5 ÷ 1	H2-32-12.5-WH1	H2-32-12.5-YE1	12,5	4	4.000	4810
			H2-32-25-WH1	H2-32-25-YE1	25	2	2.000	4812
			H2-32-50-WH1	H2-32-50-YE1	50	1	1.000	4814
4,8	2,8 ÷ 4,2	1 ÷ 2,5	H2-48-12.5-WH1	H2-48-12.5-YE1	12,5	4	4.000	4820
			H2-48-25-WH1	H2-48-25-YE1	25	2	2.000	4822
			H2-48-50-WH1	H2-48-50-YE1	50	1	1.000	4824
6,4	4,2 ÷ 5,8	4 ÷ 6	H2-64-12.5-WH1	H2-64-12.5-YE1	12,5	4	4.000	4830
			H2-64-25-WH1	H2-64-25-YE1	25	2	2.000	4832
			H2-64-50-WH1	H2-64-50-YE1	50	1	1.000	4834
9,5	5,8 ÷ 8	10 ÷ 16	H2-95-12.5-WH1	H2-95-12.5-YE1	12,5	4	2.000	4840
			H2-95-25-WH1	H2-95-25-YE1	25	2	1.000	4842
			H2-95-50-WH1	H2-95-50-YE1	50	1	500	4844
12,7	8 ÷ 11	25 ÷ 35	H2-127-50-WH1	H2-127-50-YE1	50	1	500	4854
19,1	11 ÷ 17	35 ÷ 50	H2-190-50-WH1	H2-190-50-YE1	50	1	500	4864
25,4	17 ÷ 23	50 ÷ 120	H2-254-50-WH1	H2-254-50-YE1	50	1	300	4874
38,1	23 ÷ 36	120 ÷ 240	H2-381-50-WH1	H2-381-50-YE1	50	1	100	4884
50,8	23 ÷ 48	240 ÷ 400	H2-508-50-WH1		50	1	100	4894



LADDER, ONE SIDE ONLY





# TERMO-ROLL H2



LADDER, ON BOTH SIDES



Internal Ø before shrinking mm	Cable ext. Ø range mm	Cable c.s.a range mm <sup>2</sup>	white	yellow	Length mm	Tubes per step	Quantity	SW Code
2,4	1,6 ÷ 2	0,25 ÷ 0,5	H2-24-25-WH2	H2-24-25-YE2	25	2	2.000	4802
			H2-24-50-WH2	H2-24-50-YE2	50	1	1.000	4804
3,2	1,8 ÷ 2,8	0,5 ÷ 1	H2-32-25-WH2	H2-32-25-YE2	25	2	2.000	4812
			H2-32-50-WH2	H2-32-50-YE2	50	1	1.000	4814
			H2-32-50-WH2BULK		50	1	5.000	4814
4,8	2,8 ÷ 4,2	1 ÷ 2,5	H2-48-25-WH2	H2-48-25-YE2	25	2	2.000	4822
			H2-48-50-WH2	H2-48-50-YE2	50	1	1.000	4824
			H2-48-50-WH2BULK		50	1	5.000	4824
6,4	4,2 ÷ 5,8	4 ÷ 6	H2-64-25-WH2	H2-64-25-YE2	25	2	2.000	4832
			H2-64-50-WH2	H2-64-50-YE2	50	1	1.000	4834
			H2-64-50-WH2BULK		50	1	3.000	4834
9,5	5,8 ÷ 8	10 ÷ 16	H2-95-25-WH2	H2-95-25-YE2	25	2	1.000	4842
			H2-95-50-WH2	H2-95-50-YE2	50	1	500	4844
			H2-95-50-WH2BULK		50	1	2.000	4844
12,7	8 ÷ 11	25 ÷ 35	H2-127-25-WH2	H2-127-25-YE2	25	2	1.000	4852
			H2-127-50-WH2	H2-127-50-YE2	50	1	500	4854
19,1	11 ÷ 17	35 ÷ 50	H2-190-25-WH2	H2-190-25-YE2	25	2	1.000	4862
			H2-190-50-WH2	H2-190-50-YE2	50	1	500	4864
25,4	17 ÷ 23	50 ÷ 120	H2-254-25-WH2	H2-254-25-YE2	25	2	600	4872
			H2-254-50-WH2	H2-254-50-YE2	50	1	300	4874
38,1	23 ÷ 36	120 ÷ 240	H2-381-25-WH2	H2-381-25-YE2	25	2	200	4882
			H2-381-50-WH2	H2-381-50-YE2	50	1	100	4884
50,8	23 ÷ 48	240 ÷ 400	H2-508-50-WH2	H2-508-50-YE2	50	1	100	4894



CONTINUOUS, ON BOTH SIDES



Internal Ø before shrinking mm	Cable ext. Ø range mm	Cable c.s.a range mm <sup>2</sup>	white	yellow	Length mm	Tubes per step	Quantity	SW Code
2,4	1,6 ÷ 2	0,25 ÷ 0,5	H2-24-WH3	H2-24-YE3	20		1	7000
			H2-24-WH3-50	H2-24-YE3-50	50		1	7000
3,2	1,8 ÷ 2,8	0,5 ÷ 1	H2-32-WH3	H2-32-YE3	20		1	7010
			H2-32-WH3-100	H2-32-YE3-100	100		1	7010
4,8	2,8 ÷ 4,2	1 ÷ 2,5	H2-48-WH3	H2-48-YE3	20		1	7020
			H2-48-WH3-100	H2-48-YE3-100	100		1	7020
6,4	4,2 ÷ 5,8	4 ÷ 6	H2-64-WH3	H2-64-YE3	20		1	7030
			H2-64-WH3-100	H2-64-YE3-100	100		1	7030
9,5	5,8 ÷ 8	10 ÷ 16	H2-95-WH3	H2-95-YE3	15		1	7040
			H2-95-WH3-100	H2-95-YE3-100	100		1	7040
12,7	8 ÷ 11	25 ÷ 35	H2-127-WH3	H2-127-YE3	15		1	7050
			H2-127-WH3-100	H2-127-YE3-100	100		1	7050
19	11 ÷ 17	35 ÷ 50	H2-190-WH3	H2-190-YE3	15		1	7060
			H2-190-WH3-100	H2-190-YE3-100	100		1	7060
25,4	17 ÷ 23	50 ÷ 120	H2-254-WH3	H2-254-YE3	15		1	7070
			H2-254-WH3-100	H2-254-YE3-100	100		1	7070
38,1	23 ÷ 36	120 ÷ 240	H2-381-WH3	H2-381-YE3	15		1	7080
			H2-381-WH3-60	H2-381-YE3-60	60		1	7080
50,8	27 ÷ 48	240 ÷ 400	H2-508-WH3	H2-508-YE3	15		1	7090
			H2-508-WH3-60	H2-508-YE3-60	60		1	7090

# TERMO-ROLL H3

## ROLLY2000

### Heat shrinkable tubing High Grade 3:1

*ladder & continuous, shrinkage ratio 3:1*

H3 type heat shrinkable tubing is used to provide highly legible and resistant identification of cables, pipes, conduits, etc within a minimum space.

High flexibility, fire resistance and a 3:1 shrinkage ratio to cover a wide range of cable diameters enable suitability for many industrial and technological applications.

**Material:** Irradiated Polyolefin, shrinkage ratio 3:1

**Operating temperature range:** -55°C (-131°F) to +135°C (+275°F)

**Minimum shrinkage temperature:** > +90°C (+194°F)

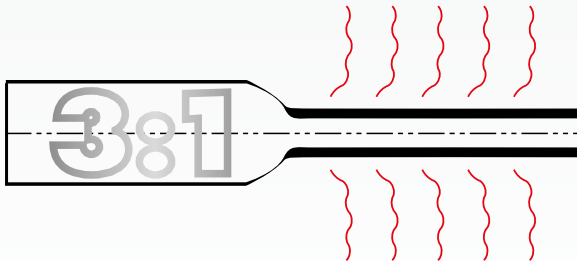
*Technical*

CSA recognised

*Flammability*

Flame retardant according to SAE-AMS-DTL-23053/5 classe 1&3,

UL 224 125°C 600V VW-1



Internal Ø before shrinking mm	Cable ext. Ø range mm	Cable c.s.a range mm²	white	yellow	Length mm	Tubes per step	Quantity	SW Code
4,8	1,8 ÷ 4,2	0,5 ÷ 2,5	H3-48-12.5-WH1	H3-48-12.5-YE1	12,5	4	4.000	4920
			H3-48-25-WH1	H3-48-25-YE1	25	2	2.000	4922
			H3-48-50-WH1	H3-48-50-YE1	50	1	1.000	4924
6	2,5 ÷ 5,5	1 ÷ 6	H3-60-12.5-WH1	H3-60-12.5-YE1	12,5	4	4.000	4930
			H3-60-25-WH1	H3-60-25-YE1	25	2	2.000	4932
			H3-60-50-WH1	H3-60-50-YE1	50	1	1.000	4934
9	4 ÷ 8	4 ÷ 16	H3-90-12.5-WH1	H3-90-12.5-YE1	12,5	4	2.000	4940
			H3-90-25-WH1	H3-90-25-YE1	25	2	1.000	4942
			H3-90-50-WH1	H3-90-50-YE1	50	1	500	4944
12	5 ÷ 11	6 ÷ 35	H3-120-12.5-WH1	H3-120-12.5-YE1	12,5	4	2.000	4950
			H3-120-25-WH1	H3-120-25-YE1	25	2	1.000	4952
			H3-120-50-WH1	H3-120-50-YE1	50	1	500	4954
18	6,5 ÷ 17	16 ÷ 50	H3-180-12.5-WH1	H3-180-12.5-YE1	12,5	4	2.000	4960
			H3-180-25-WH1	H3-180-25-YE1	25	2	1.000	4962
			H3-180-50-WH1	H3-180-50-YE1	50	1	500	4964
24	9 ÷ 23	25 ÷ 120	H3-240-50-WH1	H3-240-50-YE1	50	1	300	4974



LADDER, ONE SIDE ONLY





# TERMO-ROLL H3

Irradiated  
**PO** **55°C** **135°C**

LADDER, ON BOTH SIDES



Internal Ø before shrinking mm	Cable ext. Ø range mm	Cable c.s.a range mm²	white	yellow	Length mm	Tubes per step	Quantity	SW Code
3	1,2 ÷ 2,8	0,25 ÷ 1	H3-30-25-WH2	H3-30-25-YE2	25	2	2.000	4912
			H3-30-50-WH2	H3-30-50-YE2	50	1	1.000	4914
4,8	1,8 ÷ 4,2	0,5 ÷ 2,5	H3-48-25-WH2	H3-48-25-YE2	25	2	2.000	4922
			H3-48-50-WH2	H3-48-50-YE2	50	1	1.000	4924
6	2,5 ÷ 5,5	1 ÷ 6	H3-60-25-WH2	H3-60-25-YE2	25	2	2.000	4932
			H3-60-50-WH2	H3-60-50-YE2	50	1	1.000	4934
9	4 ÷ 8	4 ÷ 16	H3-90-25-WH2	H3-90-25-YE2	25	2	1.000	4942
			H3-90-50-WH2	H3-90-50-YE2	50	1	500	4944
12	5 ÷ 11	6 ÷ 35	H3-120-25-WH2	H3-120-25-YE2	25	2	1.000	4952
			H3-120-50-WH2	H3-120-50-YE2	50	1	500	4954
18	6,5 ÷ 17	16 ÷ 50	H3-180-25-WH2	H3-180-25-YE2	25	2	1.000	4962
			H3-180-50-WH2	H3-180-50-YE2	50	1	500	4964
24	9 ÷ 23	25 ÷ 120	H3-240-25-WH2	H3-240-25-YE2	25	1	600	4972
			H3-240-50-WH2	H3-240-50-YE2	50	1	300	4974
39	15 ÷ 37	25 ÷ 120	H3-390-50-WH2	H3-390-50-YE2	50	1	100	4984



CONTINUOUS, ON BOTH SIDES



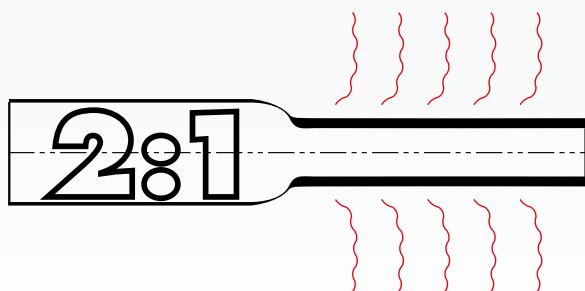
Internal Ø before shrinking mm	Cable ext. Ø range mm	Cable c.s.a range mm²	white	yellow	Length mm	Tubes per step	Quantity	SW Code
4,8	1,8 ÷ 4,2	0,5 ÷ 2,5	H3-48-WH3	H3-48-YE3	20		1	7120
6	2,5 ÷ 5,5	1 ÷ 6	H3-60-WH3	H3-60-YE3	20		1	7130
9	4 ÷ 8	4 ÷ 16	H3-90-WH3	H3-90-YE3	15		1	7140
12	5 ÷ 11	6 ÷ 35	H3-120-WH3	H3-120-YE3	15		1	7150
18	6,5 ÷ 17	16 ÷ 50	H3-180-WH3	H3-180-YE3	15		1	7160
24	9 ÷ 23	25 ÷ 120	H3-240-WH3	H3-240-YE3	15		1	7170

Insert the cable into the tube, shrink by applying a hot air flow.



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 support frame ..... page 49  
 ribbons ..... page 50

# TERMO-ROLL M2



## ROLLY2000

### Heat shrinkable tubing Medium Grade 2:1

*ladder & continuous, shrinkage ratio 2:1*

M2 type heat shrinkable tubing is used to provide highly legible and resistant identification of cables, pipes, conduits, etc within a minimum space.

Halogen Free composition provides flame retardancy and low smoke emission characteristics suitable for many types of application requiring more restrictive safety standards to be met.

**Material:** Irradiated Polyolefin, shrinkage ratio 2:1

**Operating temperature range:** -40°C (-104°F) to +125°C (+257°F)

**Minimum shrinkage temperature:** > +70°C (+158°F)

*Technical*

**Adherence** MIL-81531 AS, SAE-AS81531-199, point 4.6.2

**Flammability** Flame retardant according to UL 224

Meets the requirements for fire testing of materials and components for trains in EN 45545-2:2013 N°010.1IS0040/15



Internal Ø before shrinking mm	Cable ext. Ø range mm	Cable c.s.a range mm²	white	yellow	Length mm	Tubes per step	Quantity	SW Code
3,2	1,8 ÷ 2,8	0,5 ÷ 1	M2-32-12.5-WH1	M2-32-12.5-YE1	12,5	4	4.000	4810
			M2-32-25-WH1	M2-32-25-YE1	25	2	2.000	4812
			M2-32-50-WH1	M2-32-50-YE1	50	1	1.000	4814
4,8	2,8 ÷ 4,2	1 ÷ 2,5	M2-48-12.5-WH1	M2-48-12.5-YE1	12,5	4	4.000	4820
			M2-48-25-WH1	M2-48-25-YE1	25	2	2.000	4822
			M2-48-50-WH1	M2-48-50-YE1	50	1	1.000	4824
6,4	4,2 ÷ 5,8	4 ÷ 6	M2-64-12.5-WH1	M2-64-12.5-YE1	12,5	4	4.000	4830
			M2-64-25-WH1	M2-64-25-YE1	25	2	2.000	4832
			M2-64-50-WH1	M2-64-50-YE1	50	1	1.000	4834
9,5	5,8 ÷ 8	10 ÷ 16	M2-95-12.5-WH1	M2-95-12.5-YE1	12,5	4	2.000	4840
			M2-95-25-WH1	M2-95-25-YE1	25	2	1.000	4842
			M2-95-50-WH1	M2-95-50-YE1	50	1	500	4844
12,7	8 ÷ 11	25 ÷ 35	M2-127-25-WH1	M2-127-25-YE1	25	2	1.000	4852
			M2-127-50-WH1	M2-127-50-YE1	50	1	500	4854
19,1	11 ÷ 17	35 ÷ 50	M2-190-25-WH1	M2-190-25-YE1	25	1	1.000	4862
			M2-190-50-WH1	M2-190-50-YE1	50	1	500	4864
25,4	17 ÷ 23	50 ÷ 120	M2-254-25-WH1	M2-254-25-YE1	25	2	600	4872
			M2-254-50-WH1	M2-254-50-YE1	50	1	300	4874





LADDER, ON BOTH SIDES

# TERMO-ROLL M2



Internal Ø before shrinking mm	Cable ext. Ø range mm	Cable c.s.a range mm²	white	yellow	Length mm	Tubes per step	Quantity	SW Code
2,4	1,6 ÷ 2	0,25 ÷ 0,5	M2-24-25-WH2	M2-24-25-YE2	25	2	2.000	4802
			M2-24-50-WH2	M2-24-50-YE2	50	1	1.000	4804
3,2	1,8 ÷ 2,8	0,5 ÷ 1	M2-32-25-WH2	M2-32-25-YE2	25	2	2.000	4812
			M2-32-50-WH2	M2-32-50-YE2	50	1	1.000	4814
4,8	2,8 ÷ 4,2	1 ÷ 2,5	M2-48-25-WH2	M2-48-25-YE2	25	2	2.000	4822
			M2-48-50-WH2	M2-48-50-YE2	50	1	1.000	4824
6,4	4,2 ÷ 5,8	4 ÷ 6	M2-64-25-WH2	M2-64-25-YE2	25	2	2.000	4832
			M2-64-50-WH2	M2-64-50-YE2	50	1	1.000	4834
9,5	5,8 ÷ 8	10 ÷ 16	M2-95-25-WH2	M2-95-25-YE2	25	2	1.000	4842
			M2-95-50-WH2	M2-95-50-YE2	50	1	500	4844
12,7	8 ÷ 11	25 ÷ 35	M2-127-25-WH2	M2-127-25-YE2	25	2	1.000	4852
			M2-127-50-WH2	M2-127-50-YE2	50	1	500	4854
19,1	11 ÷ 17	35 ÷ 50	M2-190-25-WH2	M2-190-25-YE2	25	2	1.000	4862
			M2-190-50-WH2	M2-190-50-YE2	50	1	500	4864
25,4	17 ÷ 23	50 ÷ 120	M2-254-25-WH2	M2-254-25-YE2	25	2	600	4872
			M2-254-50-WH2	M2-254-50-YE2	50	1	300	4874
38,1	23 ÷ 36	120 ÷ 240	M2-381-25-WH2	M2-381-25-YE2	25	2	200	4882
			M2-381-50-WH2	M2-381-50-YE2	50	1	100	4884

TT FOR REEL MEDIA

Internal Ø before shrinking mm	Cable ext. Ø range mm	Cable c.s.a range mm²	white	yellow	Length mm	Tubes per step	Quantity	SW Code
2,4	1,6 ÷ 2	0,25 ÷ 0,5	M2-24-WH3	M2-24-YE3	20		1	7000
			M2-24-WH3-50	M2-24-YE3-50	50		1	7000
3,2	1,8 ÷ 2,8	0,5 ÷ 1	M2-32-WH3	M2-32-YE3	20		1	7010
			M2-32-WH3-100	M2-32-YE3-100	100		1	7010
4,8	2,8 ÷ 4,2	1 ÷ 2,5	M2-48-WH3	M2-48-YE3	20		1	7020
			M2-48-WH3-100	M2-48-YE3-100	100		1	7020
6,4	4,2 ÷ 5,8	4 ÷ 6	M2-64-WH3	M2-64-YE3	20		1	7030
			M2-64-WH3-100	M2-64-YE3-100	100		1	7030
9,5	5,8 ÷ 8	10 ÷ 16	M2-95-WH3	M2-95-YE3	15		1	7040
			M2-95-WH3-100	M2-95-YE3-100	100		1	7040
12,7	8 ÷ 11	25 ÷ 35	M2-127-WH3	M2-127-YE3	15		1	7050
			M2-127-WH3-100	M2-127-YE3-100	100		1	7050
19,1	11 ÷ 17	35 ÷ 50	M2-190-WH3	M2-190-YE3	15		1	7060
			M2-190-WH3-100	M2-190-YE3-100	100		1	7060
25,4	17 ÷ 23	50 ÷ 120	M2-254-WH3	M2-254-YE3	15		1	7070
			M2-254-WH3-100	M2-254-YE3-100	100		1	7070
38,1	23 ÷ 36	120 ÷ 240	M2-381-WH3	M2-381-YE3	15		1	7080
			M2-381-WH3-60	M2-381-YE3-60	60		1	7080
50,8	27 ÷ 49	240 ÷ 400	M2-508-WH3	M2-508-YE3	15		1	7090
			M2-508-WH3-60	M2-508-YE3-60	60		1	7090

Insert the cable into the tube, shrink by applying a hot air flow.



heat gun EHG 2000 ..... page 49  
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CONTINUOUS, ON BOTH SIDES



# TERMO-ROLL M3

## ROLLY2000

### Heat shrinkable tubing Medium Grade 3:1

*ladder & continuous, shrinkage ratio 3:1*

M3 type heat shrinkable tubing is used to provide highly legible and resistant identification of cables, pipes, conduits, etc within a minimum space.

High fire resistance and a 3:1 shrinkage ratio to cover a wide range of cable diameters enable suitability for many industrial applications.

**Material:** Irradiated Polyolefin, shrinkage ratio 3:1

**Operating temperature range:** -55°C (-131°F) to +135°C (+275°F)

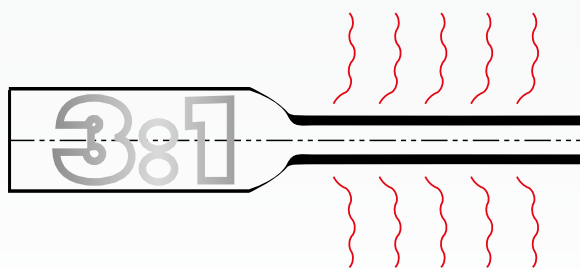
**Minimum shrinkage temperature:** > +90°C (+194°F)

*Technical*

**Flammability, flame-retardant according to**

SAE-AMS-DTL-23053/5 class 1

UL 224 125°C 600V VW-1



Internal Ø before shrinking mm	Cable ext. Ø range mm	Cable c.s.a range mm <sup>2</sup>	white	yellow	Length mm	Tubes per step	Quantity	SW Code
4,8	1,8 ÷ 4,2	0,5 ÷ 2,5	M3-48-12.5-WH1	M3-48-12.5-YE1	12,5	4	4.000	4820
			M3-48-25-WH1	M3-48-25-YE1	25	2	2.000	4822
			M3-48-50-WH1	M3-48-50-YE1	50	1	1.000	4824
6,4	2,5 ÷ 5,8	1 ÷ 6	M3-64-12.5-WH1	M3-64-12.5-YE1	12,5	4	4.000	4830
			M3-64-25-WH1	M3-64-25-YE1	25	2	2.000	4832
			M3-64-50-WH1	M3-64-50-YE1	50	1	1.000	4834
9,5	3,8 ÷ 8	4 ÷ 16	M3-95-12.5-WH1	M3-95-12.5-YE1	12,5	4	2.000	4840
			M3-95-25-WH1	M3-95-25-YE1	25	2	1.000	4842
			M3-95-50-WH1	M3-95-50-YE1	50	1	500	4844
12,7	4,85 ÷ 11	6 ÷ 35	M3-127-12.5-WH1	M3-127-12.5-YE1	12,5	4	2.000	4850
			M3-127-25-WH1	M3-127-25-YE1	25	2	1.000	4852
			M3-127-50-WH1	M3-127-50-YE1	50	1	500	4854
19	7 ÷ 17	16 ÷ 50	M3-190-50-WH1	M3-190-50-YE1	50	1	500	4864
25,4	9 ÷ 23	25 ÷ 120	M3-254-50-WH1	M3-254-50-YE1	50	1	300	4874





LADDER, ON BOTH SIDES

# TERMO-ROLL M3



Internal Ø before shrinking mm	Cable ext. Ø range mm	Cable c.s.a range mm <sup>2</sup>	white	yellow	Length mm	Tubes per step	Quantity	SW Code
2,4	1 ÷ 2,2	0,25 ÷ 0,5	M3-24-25-WH2	M3-24-25-YE2	25	2	2.000	4802
			M3-24-50-WH2	M3-24-50-YE2	50	1	1.000	4804
3,2	1,2 ÷ 2,8	0,25 ÷ 1	M3-32-25-WH2	M3-32-25-YE2	25	2	2.000	4812
			M3-32-50-WH2	M3-32-50-YE2	50	1	1.000	4814
4,8	1,8 ÷ 4,2	0,5 ÷ 2,5	M3-48-25-WH2	M3-48-25-YE2	25	2	2.000	4822
			M3-48-50-WH2	M3-48-50-YE2	50	1	1.000	4824
6,4	2,5 ÷ 5,8	1 ÷ 6	M3-64-25-WH2	M3-64-25-YE2	25	2	2.000	4832
			M3-64-50-WH2	M3-64-50-YE2	50	1	1.000	4834
9,5	3,8 ÷ 8	4 ÷ 16	M3-95-25-WH2	M3-95-25-YE2	25	2	1.000	4842
			M3-95-50-WH2	M3-95-50-YE2	50	1	500	4844
12,7	4,85 ÷ 11	6 ÷ 35	M3-127-25-WH2	M3-127-25-YE2	25	2	1.000	4852
			M3-127-50-WH2	M3-127-50-YE2	50	1	500	4854
19	7 ÷ 17	16 ÷ 50	M3-190-25-WH2	M3-190-25-YE2	25	2	1.000	4862
			M3-190-50-WH2	M3-190-50-YE2	50	1	500	4864
25,4	9 ÷ 23	25 ÷ 120	M3-254-25-WH2	M3-254-25-YE2	25	2	600	4872
			M3-254-50-WH2	M3-254-50-YE2	50	1	300	4874

Internal Ø before shrinking mm	Cable ext. Ø range mm	Cable c.s.a range mm <sup>2</sup>	white	yellow	Length mm	Tubes per step	Quantity	SW Code
2,4	1 ÷ 2,2	0,25 ÷ 0,5	M3-24-WH3		20		1	7000
			M3-24-WH3-50		50		1	7000
3,2	1,2 ÷ 2,8	0,25 ÷ 1	M3-32-WH3		20		1	7010
			M3-32-WH3-100		100		1	7010
4,8	1,8 ÷ 4,2	0,5 ÷ 2,5	M3-48-WH3	M3-48-YE3	20		1	7020
			M3-48-WH3-100		100		1	7020
6,4	2,5 ÷ 5,8	1 ÷ 6	M3-64-WH3	M3-64-YE3	20		1	7030
			M3-64-WH3-100		100		1	7030
9,5	3,8 ÷ 8	4 ÷ 16	M3-95-WH3	M3-95-YE3	15		1	7040
			M3-95-WH3-100		100		1	7040
12,7	4,8 ÷ 11	6 ÷ 35	M3-127-WH3	M3-127-YE3	15		1	7050
			M3-127-WH3-100		100		1	7050
19	7 ÷ 17	16 ÷ 50	M3-190-WH3	M3-190-YE3	15		1	7060
			M3-190-WH3-100		100		1	7060
25,4	9 ÷ 23	25 ÷ 120	M3-254-WH3	M3-254-YE3	15		1	7070

*Insert the cable into the tube, shrink by applying a hot air flow.*

*heat gun EHG 2000 ..... page 49*  
*support frame ..... page 49*  
*ribbons ..... page 50*



CONTINUOUS, ON BOTH SIDES

# SMP



## Stainless steel tie-on tags

Stainless Steel tie-on tags for the identification of cables, wirings and ducts in arduous applications such as:

offshore platforms, shipbuilding, mining, underground, petrochemical, floating units for the production, storage and unloading of oil, refineries, railway infrastructure, food industry, solar field and, in general, where high resistance to aggressive environments is essential.

**Material:** AISI 316L Stainless Steel

**Operating temperature range:** up to **+800°C (+1472°F)** (continuous)  
up to **+850°C (+1562°F)** (short periods)



Size mm	N° text lines	N° characters per line	Max. number of characters		Metal tie max width	Quantity
10 x 90	1	23	23	SMP01A10X90	4,6	400
20 x 90	3	23	69	SMP01A20X90	4,6	250



*Directly on cable using appropriate cable ties*

*cable ties AISI304 Stainless Steel max. 4,6..... page 106*



### Manual cable marking system

Provides alternative manual systems for identifying cables, tubes, conduit, components and equipment.

- *PMP push in cable markers*
- *RMS and FMS push on ring cable markers & flat ring markers*
- *SM snap on cable markers*
- *KM wraparound, self laminating cable markers*

#### PUSH IN CABLE MARKERS WITH HOLDERS

PMP markers are very simple to use: the appropriate characters are collected in order on the insertion tool then pushed into the transparent holder mounted on the cable.

#### PUSH ON RING CABLE MARKERS & FLAT RING MARKERS

RMS push on ring cable markers available in four range-taking sizes for marking cables with external diameters from 1,3 to 16 mm ( 0.05 to 0.62 in.)

FMS flat ring markers printed black on yellow, push onto tie on carriers for attachment to large diameter cables, etc.

#### LABELS

Alphanumeric signs in PVC film.

#### WRAPAROUND SELF LAMINATING CABLE MARKERS

Can be used for identifying not only cables, but also tubes and conduit with diameters up to 38 mm (1.49 in.)

#### SNAP ON CABLE MARKERS

Minimum overall size snap on cable markers are particularly useful for applications where there is limited space between cables. It is unquestionably the best solution for small cross section conductors and for local network cables and can be fitted even after the conductors are connected.

Indispensable for identifying already completed wiring!

# RINGCABLESYS



# PMP-30



## MANUAL SYSTEM

### Push in cable markers

*Polyamide, in strips*

PMP markers are very simple to use: the appropriate characters are collected in order on the insertion tool then pushed into the transparent holder mounted on the cable.

Once inserted, the characters are protected from degradation by Water, Alcohol, Acids, Alkalis and numerous Solvents.

Characters are available printed in black on white or yellow backgrounds, or colour coded according IEC Standard 757.

PM transparent marker holders can be premounted on cables for later insertion of marking characters without affecting the wiring.

PM transparent holders, in seven range-taking sizes, for identifying cables from 0,10 to 240 mm<sup>2</sup>.

PM-ET self adhesive transparent holders for identifying components and equipment.



Printed	white	yellow	Quantity	Printed	white	yellow	Quantity	Printed	Code	Quantity
0	23129-0	23124-0	500	P	23129-P	23124-P	500	0	23120-0	500
1	23129-1	23124-1	500	Q	23129-Q	23124-Q	500		23123-	500
2	23129-2	23124-2	500	R	23129-R	23124-R	500	1	23121-1	500
3	23129-3	23124-3	500	S	23129-S	23124-S	500		23121-	500
4	23129-4	23124-4	500	T	23129-T	23124-T	500	2	23122-2	500
5	23129-5	23124-5	500	U	23129-U	23124-U	500	+	23122-PLS	500
6	23129-6	23124-6	500	V	23129-V	23124-V	500		23122-	500
7	23129-7	23124-7	500	W	23129-W	23124-W	500	3	23123-3	500
8	23129-8	23124-8	500	X	23129-X	23124-X	500		23123-	500
9	23129-9	23124-9	500	Y	23129-Y	23124-Y	500	5	23125-5	500
A	23129-A	23124-A	500	Z	23129-Z	23124-Z	500		23125-	500
B	23129-B	23124-B	500		23129-	23124-	500	6	23126-6	500
C	23129-C	23124-C	500	+	23129-PLS	23124-PLS	500	-	23126-MNS	500
D	23129-D	23124-D	500	-	23129-MNS	23124-MNS	500		23126-	500
E	23129-E	23124-E	500	=	23129-EQL	23124-EQL	500	7	23127-7	500
F	23129-F	23124-F	500	~	23129-AC	23124-AC	500		23127-	500
G	23129-G	23124-G	500	.	23129-DOT	23124-DOT	500	8	23128-8	500
H	23129-H	23124-H	500	,	23129-COM	23124-COM	500		23128-	500
I	23129-I	23124-I	500	/	23129-STK	23124-STK	500			
J	23129-J	23124-J	500	:	23129-CLN	23124-CLN	500			
K	23129-K	23124-K	500	Δ	23129-DELTA	23124-DELTA	500			
L	23129-L	23124-L	500	∩	23129-STAR	23124-STAR	500			
M	23129-M	23124-M	500	∅	23129-DIA	23124-DIA	500			
N	23129-N	23124-N	500	⊥	23129-GND	23124-GND	500			
O	23129-O	23124-O	500							

**Material:** Polyamide 6.6, self extinguishing. Excellent stability and mechanical strength, high temperature resistance

**Operating temperature range:** -30°C (-22°F) to +90°C (+194°F)

### Tools for markers PMP-30

### Carriers for markers PMP-30

Each modular carrier for PMP-30 can hold 5 strips of markers. Modules may be combined ad infinitum.

PMP-ST 990002 carrier set, consisting of 5 modules (for 25 strips, 500 markers) is supplied with non-slip rubber feet.

The marker strip is inserted vertically, with no risk of loss of markers.

### STARTkit PMP-30 990050

for holders PM

The kit contains:

- 25x different PMP-30 characters, black on white (numbers, letter and symbols in strips of 20 markers, bags of 500)
- 4x sizes of PM transparent holders, length 12mm, for cables nominal c.s.a 0,5 to 25 mm<sup>2</sup>
- 1x PMP-ST carrier set for 25 strips
- 1x insertion tool PMP-SMT length 15 mm

# PMP-30

carrier PMP-ST



extraction tool PMP-ET



insertion tool PMP-SMT



		Tab length mm	Quantity
PMP-SMT	990005	15	1
insertion tool	990006	20	1
PMP-ET	9900018	15	1
extraction tool			

		Strips accommodated	Quantity
PMP-ST singol module	990001	5	1
PMP-ST carrier set	990002	25	1

Model	Code	Quantity	Model	Code	Quantity
PMP-30	23129-0	500	PMP-30	23129-X	500
PMP-30	23129-1	500	PMP-30	23129-Y	500
PMP-30	23129-2	500	PMP-30	23129-Z	500
PMP-30	23129-3	500	PMP-30	23129-N	500
PMP-30	23129-4	500	PMP-30	23129-PLS	500
PMP-30	23129-5	500	PMP-30	23129-MNS	500
PMP-30	23129-6	500	PMP-30	23129-EQL	500
PMP-30	23129-7	500	PMP-30	23129-AC	500
PMP-30	23129-8	500	PMP-30	23129-GND	500
PMP-30	23129-9	500	PM-01	50112	1.000
PMP-30	23129-R	500	PM-02	50212	1.000
PMP-30	23129-S	500	PM-03	50312	500
PMP-30	23129-T	500	PM-04	50411	500
PMP-30	23129-U	500	PMP-ST	990002	1
PMP-30	23129-V	500	PMP-SMT	990005	1
PMP-30	23129-W	500			



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 tag holders light PM-L.....page 105  
 tag holders PM-AC.....page 108  
 tag holders PM-ET.....page 109  
 tag holders PM-DT.....page 110



# RMS-01



## MANUAL SYSTEM

### Push on ring cable markers

*alphanumeric*

RMS push on ring cable markers available in four range-taking sizes for marking cables with external diameters from 1,3 to 16 mm.

Characters are printed in black on a white or yellow background, or according to the IEC 757 colour code for numbered or unprinted versions. Made from soft PVC, self extinguishing according to V0 (UL 94), they are chevron cut for perfect alignment on the conductor.

Characters are printed by a hot process, making a slight impression in the material to maintain indelible marking over time.

**Material:** Soft PVC, self extinguishing according to class V0: UL 94

**Operating temperature range:** -30°C (-22°F) to +90°C (+194°F)

**Cable ext. Ø range** 1,3 ÷ 3 mm

**C.s.a range** 0,35 ÷ 1 mm<sup>2</sup>



Printed	white	yellow	Quantity	Printed	white	yellow	Quantity	Printed	Code	Quantity
0	59549-0	59544-0	1.000	R	59549-R	59544-R	1.000	0	59540-0	1.000
1	59549-1	59544-1	1.000	S	59549-S	59544-S	1.000		59540-	1.000
2	59549-2	59544-2	1.000	T	59549-T	59544-T	1.000	1	59541-1	1.000
3	59549-3	59544-3	1.000	U	59549-U	59544-U	1.000		59541-	1.000
4	59549-4	59544-4	1.000	V	59549-V	59544-V	1.000	2	59542-2	1.000
5	59549-5	59544-5	1.000	W	59549-W	59544-W	1.000	+	59542-PLS	1.000
6	59549-6	59544-6	1.000	X	59549-X	59544-X	1.000		59542-	1.000
7	59549-7	59544-7	1.000	Y	59549-Y	59544-Y	1.000	3	59543-3	1.000
8	59549-8	59544-8	1.000	Z	59549-Z	59544-Z	1.000		59543-	1.000
9	59549-9	59544-9	1.000		59549-	59544-	1.000	5	59545-5	1.000
A	59549-A	59544-A	1.000	+	59549-PLS	59544-PLS	1.000		59545-	1.000
B	59549-B	59544-B	1.000	-	59549-MNS	59544-MNS	1.000	6	59546-6	1.000
C	59549-C	59544-C	1.000	=	59549-EQL	59544-EQL	1.000	-	59546-MNS	1.000
D	59549-D	59544-D	1.000	/	59549-STK	59544-STK	1.000		59546-	1.000
E	59549-E	59544-E	1.000	.	59549-DOT	59544-DOT	1.000	7	59547-7	1.000
F	59549-F	59544-F	1.000	,	59549-COM	59544-COM	1.000		59547-	1.000
G	59549-G	59544-G	1.000	:	59549-CLN	59544-CLN	1.000	8	59548-8	1.000
H	59549-H	59544-H	1.000	;	59549-SCLN	59544-SCLN	1.000		59548-	1.000
I	59549-I	59544-I	1.000	⊥	59549-GND	59544-GND	1.000			
J	59549-J	59544-J	1.000	⊕	59549-GNDP	59544-GNDP	1.000			
K	59549-K	59544-K	1.000	~	59549-AC	59544-AC	1.000			
L	59549-L	59544-L	1.000	Ω	59549-OHM	59544-OHM	1.000			
M	59549-M	59544-M	1.000	*	59549-AST	59544-AST	1.000			
N	59549-N	59544-N	1.000	Δ	59549-DELTA	59544-DELTA	1.000			
O	59549-O	59544-O	1.000	∧	59549-STAR	59544-STAR	1.000			
P	59549-P	59544-P	1.000	∅	59549-DIA	59544-DIA	1.000			
Q	59549-Q	59544-Q	1.000							



# RMS-01

Printed	white	yellow	Quantity	Printed	white	yellow	Quantity
0	59349-0	59344-0	1.000	R	59349-R	59344-R	1.000
1	59349-1	59344-1	1.000	S	59349-S	59344-S	1.000
2	59349-2	59344-2	1.000	T	59349-T	59344-T	1.000
3	59349-3	59344-3	1.000	U	59349-U	59344-U	1.000
4	59349-4	59344-4	1.000	V	59349-V	59344-V	1.000
5	59349-5	59344-5	1.000	W	59349-W	59344-W	1.000
6	59349-6	59344-6	1.000	X	59349-X	59344-X	1.000
7	59349-7	59344-7	1.000	Y	59349-Y	59344-Y	1.000
8	59349-8	59344-8	1.000	Z	59349-Z	59344-Z	1.000
9	59349-9	59344-9	1.000		59349-	59344-	1.000
A	59349-A	59344-A	1.000	+	59349-PLS	59344-PLS	1.000
B	59349-B	59344-B	1.000	-	59349-MNS	59344-MNS	1.000
C	59349-C	59344-C	1.000	=	59349-EQL	59344-EQL	1.000
D	59349-D	59344-D	1.000	/	59349-STK	59344-STK	1.000
E	59349-E	59344-E	1.000	.	59349-DOT	59344-DOT	1.000
F	59349-F	59344-F	1.000	,	59349-COM	59344-COM	1.000
G	59349-G	59344-G	1.000	:	59349-CLN	59344-CLN	1.000
H	59349-H	59344-H	1.000	;	59349-SCLN	59344-SCLN	1.000
I	59349-I	59344-I	1.000	⏏	59349-GND	59344-GND	1.000
J	59349-J	59344-J	1.000	⏏	59349-GNDP	59344-GNDP	1.000
K	59349-K	59344-K	1.000	~	59349-AC	59344-AC	1.000
L	59349-L	59344-L	1.000	Ω	59349-OHM	59344-OHM	1.000
M	59349-M	59344-M	1.000	*	59349-AST	59344-AST	1.000
N	59349-N	59344-N	1.000	Δ	59349-DELTA	59344-DELTA	1.000
O	59349-O	59344-O	1.000	∧	59349-STAR	59344-STAR	1.000
P	59349-P	59344-P	1.000	∅	59349-DIA	59344-DIA	1.000
Q	59349-Q	59344-Q	1.000				



## Insertion tool for push on ring cable markers

Markers	Code	Quantity
RMS-01	RMT-01 990023	1
RMS-02	RMT-02 990024	1
RMS-03	RMT-03 990025	1



Directly on the cable



tools .....page 75

# RMS-02



## MANUAL SYSTEM

### Push on ring cable markers

*alphanumeric*

RMS push on ring cable markers available in four range-taking sizes for marking cables with external diameters from 1,3 to 16 mm.

Characters are printed in black on a white or yellow background, or according to the IEC 757 colour code for numbered or unprinted versions. Made from soft PVC, self extinguishing according to V0 (UL 94), they are chevron cut for perfect alignment on the conductor.

Characters are printed by a hot process, making a slight impression in the material to maintain indelible marking over time.

**Material:** Soft PVC, self extinguishing according to class V0: UL 94

**Operating temperature range:** -30°C (-22°F) to +90°C (+194°F)

**Cable ext. Ø range** 2,5 ÷ 5 mm

**C.s.a range** 1,5 ÷ 4 mm<sup>2</sup>



Printed	white	yellow	Quantity	Printed	white	yellow	Quantity	Printed	Code	Quantity
0	59649-0	59644-0	1.000	R	59649-R	59644-R	1.000	0	59640-0	1.000
1	59649-1	59644-1	1.000	S	59649-S	59644-S	1.000		59640-	1.000
2	59649-2	59644-2	1.000	T	59649-T	59644-T	1.000	1	59641-1	1.000
3	59649-3	59644-3	1.000	U	59649-U	59644-U	1.000		59641-	1.000
4	59649-4	59644-4	1.000	V	59649-V	59644-V	1.000	2	59642-2	1.000
5	59649-5	59644-5	1.000	W	59649-W	59644-W	1.000	+	59642-PLS	1.000
6	59649-6	59644-6	1.000	X	59649-X	59644-X	1.000		59642-	1.000
7	59649-7	59644-7	1.000	Y	59649-Y	59644-Y	1.000	3	59643-3	1.000
8	59649-8	59644-8	1.000	Z	59649-Z	59644-Z	1.000		59643-	1.000
9	59649-9	59644-9	1.000		59649-	59644-	1.000	5	59645-5	1.000
A	59649-A	59644-A	1.000	+	59649-PLS	59644-PLS	1.000		59645-	1.000
B	59649-B	59644-B	1.000	-	59649-MNS	59644-MNS	1.000	6	59646-6	1.000
C	59649-C	59644-C	1.000	=	59649-EQL	59644-EQL	1.000	-	59646-MNS	1.000
D	59649-D	59644-D	1.000	/	59649-STK	59644-STK	1.000		59646-	1.000
E	59649-E	59644-E	1.000	.	59649-DOT	59644-DOT	1.000	7	59647-7	1.000
F	59649-F	59644-F	1.000	,	59649-COM	59644-COM	1.000		59647-	1.000
G	59649-G	59644-G	1.000	:	59649-CLN	59644-CLN	1.000	8	59648-8	1.000
H	59649-H	59644-H	1.000	;	59649-SCLN	59644-SCLN	1.000		59648-	1.000
I	59649-I	59644-I	1.000	⊥	59649-GND	59644-GND	1.000			
J	59649-J	59644-J	1.000	⊕	59649-GNDP	59644-GNDP	1.000			
K	59649-K	59644-K	1.000	~	59649-AC	59644-AC	1.000			
L	59649-L	59644-L	1.000	Ω	59649-OHM	59644-OHM	1.000			
M	59649-M	59644-M	1.000	*	59649-AST	59644-AST	1.000			
N	59649-N	59644-N	1.000	Δ	59649-DELTA	59644-DELTA	1.000			
O	59649-O	59644-O	1.000	∩	59649-STAR	59644-STAR	1.000			
P	59649-P	59644-P	1.000	∅	59649-DIA	59644-DIA	1.000			
Q	59649-Q	59644-Q	1.000							



# RMS-02

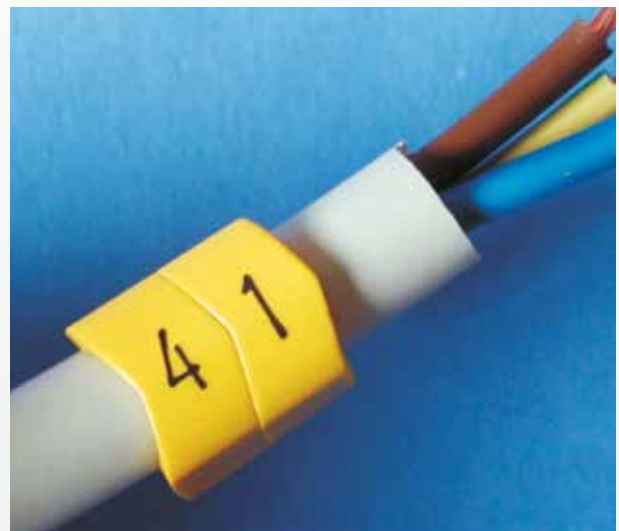
Printed	white	yellow	Quantity	Printed	white	yellow	Quantity
0	59449-0	59444-0	1.000	R	59449-R	59444-R	1.000
1	59449-1	59444-1	1.000	S	59449-S	59444-S	1.000
2	59449-2	59444-2	1.000	T	59449-T	59444-T	1.000
3	59449-3	59444-3	1.000	U	59449-U	59444-U	1.000
4	59449-4	59444-4	1.000	V	59449-V	59444-V	1.000
5	59449-5	59444-5	1.000	W	59449-W	59444-W	1.000
6	59449-6	59444-6	1.000	X	59449-X	59444-X	1.000
7	59449-7	59444-7	1.000	Y	59449-Y	59444-Y	1.000
8	59449-8	59444-8	1.000	Z	59449-Z	59444-Z	1.000
9	59449-9	59444-9	1.000		59449-	59444-	1.000
A	59449-A	59444-A	1.000	+	59449-PLS	59444-PLS	1.000
B	59449-B	59444-B	1.000	-	59449-MNS	59444-MNS	1.000
C	59449-C	59444-C	1.000	=	59449-EQL	59444-EQL	1.000
D	59449-D	59444-D	1.000	/	59449-STK	59444-STK	1.000
E	59449-E	59444-E	1.000	.	59449-DOT	59444-DOT	1.000
F	59449-F	59444-F	1.000	,	59449-COM	59444-COM	1.000
G	59449-G	59444-G	1.000	:	59449-CLN	59444-CLN	1.000
H	59449-H	59444-H	1.000	;	59449-SCLN	59444-SCLN	1.000
I	59449-I	59444-I	1.000	⊥	59449-GND	59444-GND	1.000
J	59449-J	59444-J	1.000	⊕	59449-GNDP	59444-GNDP	1.000
K	59449-K	59444-K	1.000	~	59449-AC	59444-AC	1.000
L	59449-L	59444-L	1.000	Ω	59449-OHM	59444-OHM	1.000
M	59449-M	59444-M	1.000	*	59449-AST	59444-AST	1.000
N	59449-N	59444-N	1.000	Δ	59449-DELTA	59444-DELTA	1.000
O	59449-O	59444-O	1.000	∧	59449-STAR	59444-STAR	1.000
P	59449-P	59444-P	1.000	∅	59449-DIA	59444-DIA	1.000
Q	59449-Q	59444-Q	1.000				



Directly on the cable



tools .....page 75



# RMS-03



## MANUAL SYSTEM

### Push on ring cable markers

*alphanumeric*

RMS push on ring cable markers available in four range-taking sizes for marking cables with external diameters from 1,3 to 16 mm.

Characters are printed in black on a white or yellow background, or according to the IEC 757 colour code for numbered or unprinted versions. Made from soft PVC, self extinguishing according to V0 (UL 94), they are chevron cut for perfect alignment on the conductor.

Characters are printed by a hot process, making a slight impression in the material to maintain indelible marking over time.

**Material:** Soft PVC, self extinguishing according to class V0: UL 94

**Operating temperature range:** -30°C (-22°F) to +90°C (+194°F)

**Cable ext. Ø range** 4 ÷ 10 mm

**C.s.a range** 4 ÷ 16 mm<sup>2</sup>

plasticised  
PVC -30°C +90°C

RoHS  
COMPLIANT  
2011/65/EU

Printed	white	yellow	Quantity	Printed	white	yellow	Quantity	Printed	Code	Quantity
0	59749-0	59744-0	500	R	59749-R	59744-R	500	0	59740-0	500
1	59749-1	59744-1	500	S	59749-S	59744-S	500		59740-	500
2	59749-2	59744-2	500	T	59749-T	59744-T	500	1	59741-1	500
3	59749-3	59744-3	500	U	59749-U	59744-U	500		59741-	500
4	59749-4	59744-4	500	V	59749-V	59744-V	500	2	59742-2	500
5	59749-5	59744-5	500	W	59749-W	59744-W	500	+	59742-PLS	500
6	59749-6	59744-6	500	X	59749-X	59744-X	500		59742-	500
7	59749-7	59744-7	500	Y	59749-Y	59744-Y	500	3	59743-3	500
8	59749-8	59744-8	500	Z	59749-Z	59744-Z	500		59743-	500
9	59749-9	59744-9	500		59749-	59744-	500	5	59745-5	500
A	59749-A	59744-A	500	+	59749-PLS	59744-PLS	500		59745-	500
B	59749-B	59744-B	500	-	59749-MNS	59744-MNS	500	6	59746-6	500
C	59749-C	59744-C	500	=	59749-EQL	59744-EQL	500	-	59746-MNS	500
D	59749-D	59744-D	500	/	59749-STK	59744-STK	500		59746-	500
E	59749-E	59744-E	500	.	59749-DOT	59744-DOT	500	7	59747-7	500
F	59749-F	59744-F	500	,	59749-COM	59744-COM	500		59747-	500
G	59749-G	59744-G	500	:	59749-CLN	59744-CLN	500	8	59748-8	500
H	59749-H	59744-H	500	;	59749-SCLN	59744-SCLN	500		59748-	500
I	59749-I	59744-I	500	⊥	59749-GND	59744-GND	500			
J	59749-J	59744-J	500	⊕	59749-GNDP	59744-GNDP	500			
K	59749-K	59744-K	500	~	59749-AC	59744-AC	500			
L	59749-L	59744-L	500	Ω	59749-OHM	59744-OHM	500			
M	59749-M	59744-M	500	*	59749-AST	59744-AST	500			
N	59749-N	59744-N	500	Δ	59749-DELTA	59744-DELTA	500			
O	59749-O	59744-O	500	∩	59749-STAR	59744-STAR	500			
P	59749-P	59744-P	500	∅	59749-DIA	59744-DIA	500			
Q	59749-Q	59744-Q	500							





## Push on ring cable markers

*alphanumeric*

RMS push on ring cable markers available in four range-taking sizes for marking cables with external diameters from 1,3 to 16 mm.

Characters are printed in black on a white or yellow background, or according to the IEC 757 colour code for numbered or unprinted versions. Made from soft PVC, self extinguishing according to V0 (UL 94), they are chevron cut for perfect alignment on the conductor.

Characters are printed by a hot process, making a slight impression in the material to maintain indelible marking over time.

**Material:** Soft PVC, self extinguishing according to class V0: UL 94

**Operating temperature range:** -30°C (-22°F) to +90°C (+194°F)

**Cable ext. Ø range** 8 ÷ 16 mm

**C.s.a range** 16 ÷ 70 mm<sup>2</sup>

# RMS-04



Printed	white	yellow	Quantity	Printed	white	yellow	Quantity	Printed	Code	Quantity
0	59849-0	59844-0	500	R	59849-R	59844-R	500	0	59840-0	500
1	59849-1	59844-1	500	S	59849-S	59844-S	500		59840-	500
2	59849-2	59844-2	500	T	59849-T	59844-T	500	1	59841-1	500
3	59849-3	59844-3	500	U	59849-U	59844-U	500		59841-	500
4	59849-4	59844-4	500	V	59849-V	59844-V	500	2	59842-2	500
5	59849-5	59844-5	500	W	59849-W	59844-W	500	+	59842-PLS	500
6	59849-6	59844-6	500	X	59849-X	59844-X	500		59842-	500
7	59849-7	59844-7	500	Y	59849-Y	59844-Y	500	3	59843-3	500
8	59849-8	59844-8	500	Z	59849-Z	59844-Z	500		59843-	500
9	59849-9	59844-9	500		59849-	59844-	500	5	59845-5	500
A	59849-A	59844-A	500	+	59849-PLS	59844-PLS	500		59845-	500
B	59849-B	59844-B	500	-	59849-MNS	59844-MNS	500	6	59846-6	500
C	59849-C	59844-C	500	=	59849-EQL	59844-EQL	500		59846-MNS	500
D	59849-D	59844-D	500	/	59849-STK	59844-STK	500		59846-	500
E	59849-E	59844-E	500	.	59849-DOT	59844-DOT	500	7	59847-7	500
F	59849-F	59844-F	500	,	59849-COM	59844-COM	500		59847-	500
G	59849-G	59844-G	500	:	59849-CLN	59844-CLN	500	8	59848-8	500
H	59849-H	59844-H	500	;	59849-SCLN	59844-SCLN	500		59848-	500
I	59849-I	59844-I	500	⊥	59849-GND	59844-GND	500			
J	59849-J	59844-J	500	⊕	59849-GNDP	59844-GNDP	500			
K	59849-K	59844-K	500	~	59849-AC	59844-AC	500			
L	59849-L	59844-L	500	Ω	59849-OHM	59844-OHM	500			
M	59849-M	59844-M	500	*	59849-AST	59844-AST	500			
N	59849-N	59844-N	500	Δ	59849-DELTA	59844-DELTA	500			
O	59849-O	59844-O	500	∩	59849-STAR	59844-STAR	500			
P	59849-P	59844-P	500	∅	59849-DIA	59844-DIA	500			
Q	59849-Q	59844-Q	500							



# FMS



## MANUAL SYSTEM

### Push on flat ring cable markers

with tie on carriers

FMS flat ring markers printed black on yellow, push onto tie on carriers for attachment to large diameter cables, etc.

Made from soft PVC, self extinguishing according to V0 (UL 94), they are chevron cut for perfect alignment on the conductor.

Characters are printed by a hot process, making a slight impression in the material to maintain indelible marking over time.

**Material:** Soft PVC, self extinguishing according to class V0: UL 94

**Operating temperature range:** -30°C (-22°F) to +90°C (+194°F)

plasticised  
**PVC** -30°C +90°C

**UL94**  
**VO** RoHS COMPLIANT 2011/65/EU

Length mm	Printed	yellow	Quantity	Length mm	Printed	yellow	Quantity	Length mm	Printed	yellow	Quantity
4	0	32274-0	500	4	J	32274-J	500	4	+	32274-PLS	500
4	1	32274-1	500	4	K	32274-K	500	4	-	32274-MNS	500
4	2	32274-2	500	4	L	32274-L	500	4	=	32274-EQL	500
4	3	32274-3	500	4	M	32274-M	500	4	/	32274-STK	500
4	4	32274-4	500	4	N	32274-N	500	4	.	32274-DOT	500
4	5	32274-5	500	4	O	32274-O	500	4	,	32274-COM	500
4	6	32274-6	500	4	P	32274-P	500	4	:	32274-CLN	500
4	7	32274-7	500	4	Q	32274-Q	500	4	;	32274-SCLN	500
4	8	32274-8	500	4	R	32274-R	500	4	⊥	32274-GND	500
4	9	32274-9	500	4	S	32274-S	500	4	⊕	32274-GNDP	500
4	A	32274-A	500	4	T	32274-T	500	4	~	32274-AC	500
4	B	32274-B	500	4	U	32274-U	500	4	Ω	32274-OHM	500
4	C	32274-C	500	4	V	32274-V	500	4	*	32274-AST	500
4	D	32274-D	500	4	W	32274-W	500	4	Δ	32274-DELTA	500
4	E	32274-E	500	4	X	32274-X	500	4	⋈	32274-STAR	500
4	F	32274-F	500	4	Y	32274-Y	500	4	∅	32274-DIA	500
4	G	32274-G	500	4	Z	32274-Z	500				
4	H	32274-H	500	4		32274-	500				
4	I	32274-I	500	40		20314	100				

### Carrier for push on flat ring cable markers

tie width max 4,8mm



Height mm	Length mm	Code	N° ring	Quantity
9	30	FMH-7 990088	7	1
9	50	FMH-12 990089	12	1
9	70	FMH-18 990090	18	1

### Laminated write on-tie on

*pre-cut, one piece markers, tie on*

For attachment by cable ties to pipes, conduits and cables with larger diameters.

A permanent marker is used to handwrite data on the tag over which an adhesive, transparent film is applied for protection.

**Material:** UV stabilised Polypropylene (PP) for tag.  
Polyester (O-PET) for protective film.

**Operating temperature range:** -10°C (-14°F) to +60°C (+140°F)

**Application temperature range:** > +10°C (+50°F)

# MS-ETF



PP
HF
-10°C
+60°C
UL94 VO
RoHS COMPLIANT 2011/65/EU

Height mm	Length mm	Code	Print area mm	Cable tie max width mm	Quantity
14	70	4810-YE	48 x 10	4,8	100
15	100	5515-YE	55 x 15	4,8	100
15	130	8515-YE	85 x 15	4,8	100



Directly on the cable



cable ties ..... page 114

# WIT-W

## MANUAL SYSTEM

### Cable ticket

*bundled cable identification*



PP -30°C +60°C



Thickness mm	Code	Size mm	Quantity
standard 0,3 mm	56009	49 x 99	100
reinforced 0,5 mm	56008	49 x 99	50
	56008-GB	49 x 99	50



CABLE No. \_\_\_\_\_

EQUIPMENT \_\_\_\_\_

PLAN No. \_\_\_\_\_

NOTA \_\_\_\_\_

NUMERO COULEUR	IDENTIFICATION CONDUCTEUR
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	



*Attach by appropriate means, e.g cable tie*

*cables ties.....page 114*

## Wraparound cable markers

*self adhesive, self laminating, square corners, precut*

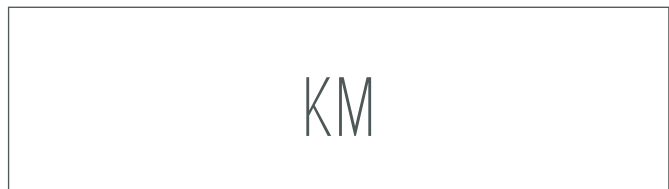
KM wraparound cable markers are suitable for use with marker pens and are ideal for identifying large diameter cables, tubes and conduit. The procedure is quick - carefully hand print on the markable coloured area then wrap the marker around the cable/tube overlapping the clear part onto the marked area to protect it from Water, Alcohol, Dust, and chemical and atmospheric Agents.

The fixing margin is important as it protects the marking from contamination by the hands.

**Material:** Soft PVC film. Resistant to Water, Oil, Grease, Alcohol, Detergent, Alkaline Substances and Atmospheric Agents. Self extinguishing, high resistance to UV Radiation

**Operating temperature range:** -30°C (-22°F) to +80°C (+284°F)

**Application temperature range:** +10°C (+50°F) to +40°C (+104°F)



Overall Length A mm	Wrapping diameter mm	Print area CxB mm			white	yellow	Quantity
50	6 ÷ 10	15 x 25	✓	KM05025	189109	184109	90
75	8 ÷ 14	25 x 25	✓	KM07525	189115	184115	60
150	20 ÷ 38	25 x 25	✓	KM15025	189123	184123	30

*Directly on cables, etc in accordance with wrapping diameter limitations shown for each size.*



# ANS

## MANUAL SYSTEM

### Wraparound cable markers

*self adhesive, self laminating, square corners, precut*

Adhesive preprinted strips for the temporary or permanent marking of insulated and uninsulated conductors.

ANS strips may be used in the production of electric motors as the material will withstand the oven temperatures at which the insulating resins of stators and rotors are baked.

Also available with numeric and alphanumeric combinations and progressions.

**Material:** Polyester film. Resistant to Water, Alcohol, Oils and Atmospheric Agents. Excellent dimensional stability

**Operating temperature range:** -40°C (-40°F) to +150°C (+302°F)

**Application temperature range:** +10°C (+50°F) to +40°C (+104°F)



Size mm	Printed	white	Strips per sheet	Quantity	Size mm	Printed	white	Strips per sheet	Quantity	Size mm	Printed	white	Strips per sheet	Quantity
8 x 65		25109-	20	300	8 x 65	X	25109-Y	20	300	8 x 65	22	25109-22	20	300
8 x 65	A	25109-A	20	300	8 x 65	Y	25109-X	20	300	8 x 65	23	25109-23	20	300
8 x 65	B	25109-B	20	300	8 x 65	Z	25109-Z	20	300	8 x 65	24	25109-24	20	300
8 x 65	C	25109-C	20	300	8 x 65	0	25109-0	20	300	8 x 65	25	25109-25	20	300
8 x 65	D	25109-D	20	300	8 x 65	1	25109-1	20	300	8 x 65	26	25109-26	20	300
8 x 65	E	25109-E	20	300	8 x 65	2	25109-2	20	300	8 x 65	27	25109-27	20	300
8 x 65	F	25109-F	20	300	8 x 65	3	25109-3	20	300	8 x 65	28	25109-28	20	300
8 x 65	G	25109-G	20	300	8 x 65	4	25109-4	20	300	8 x 65	29	25109-29	20	300
8 x 65	H	25109-H	20	300	8 x 65	5	25109-5	20	300	8 x 65	30	25109-30	20	300
8 x 65	I	25109-J	20	300	8 x 65	6	25109-6	20	300	8 x 65	31	25109-31	20	300
8 x 65	J	25109-K	20	300	8 x 65	7	25109-7	20	300	8 x 65	32	25109-32	20	300
8 x 65	K	25109-I	20	300	8 x 65	8	25109-8	20	300	8 x 65	33	25109-33	20	300
8 x 65	L	25109-L	20	300	8 x 65	9	25109-9	20	300	8 x 65	34	25109-34	20	300
8 x 65	M	25109-M	20	300	8 x 65	10	25109-10	20	300	8 x 65	35	25109-35	20	300
8 x 65	N	25109-N	20	300	8 x 65	11	25109-11	20	300	8 x 65	36	25109-36	20	300
8 x 65	Ñ	25109-Ñ	20	300	8 x 65	12	25109-12	20	300	8 x 65	37	25109-37	20	300
8 x 65	O	25109-O	20	300	8 x 65	13	25109-13	20	300	8 x 65	38	25109-38	20	300
8 x 65	P	25109-P	20	300	8 x 65	14	25109-14	20	300	8 x 65	39	25109-39	20	300
8 x 65	Q	25109-Q	20	300	8 x 65	15	25109-15	20	300	8 x 65	40	25109-40	20	300
8 x 65	R	25109-R	20	300	8 x 65	16	25109-16	20	300	8 x 65	43	25109-43	20	300
8 x 65	S	25109-S	20	300	8 x 65	17	25109-17	20	300	8 x 65	44	25109-44	20	300
8 x 65	T	25109-T	20	300	8 x 65	18	25109-18	20	300	8 x 65	45	25109-45	20	300
8 x 65	U	25109-U	20	300	8 x 65	19	25109-19	20	300	8 x 65	U1	25109-U1	20	300
8 x 65	V	25109-V	20	300	8 x 65	20	25109-20	20	300	8 x 65	U2	25109-U2	20	300
8 x 65	W	25109-W	20	300	8 x 65	21	25109-21	20	300	8 x 65	U3	25109-U3	20	300

# ANS

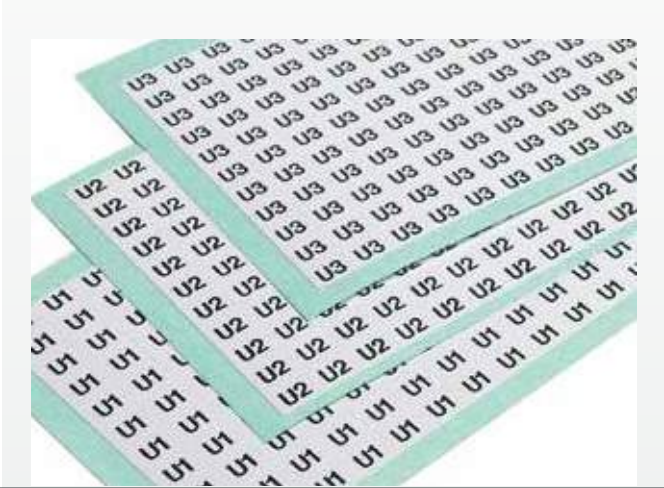


0.1 mm  
**PL** - 40°C + 150°C



Size mm	Printed	white	Strips per sheet	Quantity	Size mm	Printed	white	Strips per sheet	Quantity	Size mm	Printed	white	Strips per sheet	Quantity
8 x 65	U4	25109-U4	20	300	8 x 65	V8	25109-V8	20	300	8 x 65	W12	25109-W12	20	300
8 x 65	U5	25109-U5	20	300	8 x 65	V9	25109-V9	20	300	8 x 65	F1	25109-F1	20	300
8 x 65	U6	25109-U6	20	300	8 x 65	V10	25109-V10	20	300	8 x 65	F2	25109-F2	20	300
8 x 65	U7	25109-U7	20	300	8 x 65	V11	25109-V11	20	300	8 x 65	X1	25109-X1	20	300
8 x 65	U8	25109-U8	20	300	8 x 65	V12	25109-V12	20	300	8 x 65	X2	25109-X2	20	300
8 x 65	U9	25109-U9	20	300	8 x 65	W1	25109-W1	20	300	8 x 65	Y1	25109-Y1	20	300
8 x 65	U10	25109-U10	20	300	8 x 65	W2	25109-W2	20	300	8 x 65	Y2	25109-Y2	20	300
8 x 65	U11	25109-U11	20	300	8 x 65	W3	25109-W3	20	300	8 x 65	Z1	25109-Z1	20	300
8 x 65	U12	25109-U12	20	300	8 x 65	W4	25109-W4	20	300	8 x 65	Z2	25109-Z2	20	300
8 x 65	V1	25109-V1	20	300	8 x 65	W5	25109-W5	20	300	8 x 65	302	25109-302	20	300
8 x 65	V2	25109-V2	20	300	8 x 65	W6	25109-W6	20	300	8 x 65	309	25109-309	20	300
8 x 65	V3	25109-V3	20	300	8 x 65	W7	25109-W7	20	300	8 x 65	310	25109-310	20	300
8 x 65	V4	25109-V4	20	300	8 x 65	W8	25109-W8	20	300	8 x 65	⊥	25109-GND	20	300
8 x 65	V5	25109-V5	20	300	8 x 65	W9	25109-W9	20	300	8 x 65	+	25109-PLS	20	300
8 x 65	V6	25109-V6	20	300	8 x 65	W10	25109-W10	20	300	8 x 65	-	25109-MNS	20	300
8 x 65	V7	25109-V7	20	300	8 x 65	W11	25109-W11	20	300					

Directly on cables



# ANL



## MANUAL SYSTEM

### Alphanumeric signs

Pre-printed, in PVC and Aluminium

Also available with numeric and alphanumeric combinations and progressions.

\*AR: Aluminium undrilled, not adhesive, made to order

NOTE: Sign with letter "I" is narrower

**Material:** PVC film

**Operating temperature range:** -40°C (-40°F) to +80°C (+176°F)

**Application temperature range:** +10°C (+50°F) to +40°C (+104°F)

0.3 mm  
PVC 40°C 80°C



Size mm	yellow	Quantity	Size mm	yellow	Quantity	Arabic numerals	Roman numerals	Arabic numerals	Roman numerals
10 x 6	374101-...	500	10 x 12	374101-...	500	1	I	40	XL
13 x 9	374102-...	450	13 x 18	374102-...	450	2	II	50	L
11 x 11	374114-...	300	11 x 22	374114-...	300	3	III	60	LX
15 x 10	374103-...	280	15 x 20	374103-...	280	4	IV	70	LXX
20 x 12	374104-...	240	20 x 24	374104-...	240	5	V	80	LXXX
19 x 14	374105-...	240	19 x 28	374105-...	240	6	VI	90	XC
25 x 16	374106-...	120	25 x 32	374106-...	120	7	VII	100	C
38 x 22	374107-...	80	38 x 44	374107-...	80	8	VIII	150	CL
60 x 34	374108-...	25	60 x 68	374108-...	25	9	IX	160	CLX
99 x 56	374109-...	15	99 x 112	374109-...	15	10	X	200	CC
124 x 70	374110-...	10	124 x 140	374110-...	10	11	XI	250	CCL
175 x 99	374111-...	5	175 x 198	374111-...	5	12	XII	300	CCC
175 x 99	374111AR-...	1	175 x 198	374111AR-...	1	13	XIII	400	CD
200 x 148	374112-...	1	200 x 296	374112-...	1	14	XIV	500	D
200 x 148	374112AR-...	1	200 x 296	374112AR-...	1	15	XV	600	DC
297 x 210	374113-...	1	297 x 420	374113-...	1	16	XVI	700	DCC
297 x 210	374113AR-...	1	297 x 420	374113AR-...	1	17	XVII	800	DCCC
						18	XVIII	900	CM
						19	XIX	1.000	M
						20	XX	2.000	MM
						21	XXI	3.000	MMM
						22	XXII	4.000	MMMM
						30	XXX		



Directly on surface



## Snap on cable markers

*alphanumeric*

Markers are attached directly from their applicator, which is brown. The small sizes provide an ideal identification system for small-section cables, eg in electronic equipment.

**Material:** POM – Acetylic Resin dimensionally stable to **+106°C (+222°F)**, nondegradable and nondeformable to **-40°C (-40°F)**, Halogen Free.

Resistant to Oil, Grease, Chemical and Atmospheric Agents, Detergents, Oxalic Acids, Alkaline Solutions and Organic and Inorganic Chemical Substances. High elasticity combined with high rigidity, for optimal grip on the conductor.

**Cable ext. Ø range 1 ÷ 1,4 mm (0.04 ÷ 0.05 in.)**

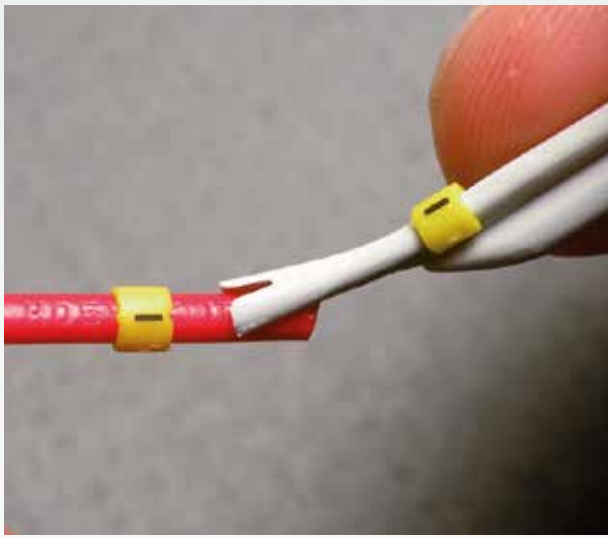
**C.s.a range 0,25 ÷ 0,35 mm<sup>2</sup> (23 ÷ 22 AWG)**



Printed	white	yellow	Quantity	Printed	white	yellow	Quantity	Printed	Code	Quantity
0	17900-0	17400-0	300	R	17900-R	17400-R	300	0	17000-0	300
1	17900-1	17400-1	300	S	17900-S	17400-S	300		17000-	300
2	17900-2	17400-2	300	T	17900-T	17400-T	300	1	17100-1	300
3	17900-3	17400-3	300	U	17900-U	17400-U	300		17100-	300
4	17900-4	17400-4	300	V	17900-V	17400-V	300	2	17200-2	300
5	17900-5	17400-5	300	W	17900-W	17400-W	300	+	17200-PLS	300
6	17900-6	17400-6	300	X	17900-X	17400-X	300		17200-	300
7	17900-7	17400-7	300	Y	17900-Y	17400-Y	300	3	17300-3	300
8	17900-8	17400-8	300	Z	17900-Z	17400-Z	300		17300-	300
9	17900-9	17400-9	300		17900-	17400-	300	5	17500-5	300
A	17900-A	17400-A	300	+	17900-PLS	17400-PLS	300		17500-	300
B	17900-B	17400-B	300	-	17900-MNS	17400-MNS	300	6	17600-6	300
C	17900-C	17400-C	300	~	17900-AC	17400-AC	300	-	17600-MNS	300
D	17900-D	17400-D	300	/	17900-STK	17400-STK	300		17600-	300
E	17900-E	17400-E	300	.	17900-DOT	17400-DOT	300	7	17700-7	300
F	17900-F	17400-F	300	⊥	17900-GND	17400-GND	300		17700-	300
G	17900-G	17400-G	300	:	17900-CLN	17400-CLN	300	8	17800-8	300
H	17900-H	17400-H	300						17800-	300
I	17900-I	17400-I	300							
J	17900-J	17400-J	300							
K	17900-K	17400-K	300							
L	17900-L	17400-L	300							
M	17900-M	17400-M	300							
N	17900-N	17400-N	300							
O	17900-O	17400-O	300							
P	17900-P	17400-P	300							
Q	17900-Q	17400-Q	300							

RETROFIT? INDISPENSABLE!

# SM-02



## MANUAL SYSTEM

### Snap on cable markers

*alphanumeric*

Markers are attached directly from their applicator, which is grey. The small sizes provide ideal identification system for small-section cables, eg in electronic equipment.

**Material:** POM – Acetylic Resin dimensionally stable to **+106°C (+222°F)**, nondegradable and nondeformable to **-40°C (-40°F)**, Halogen Free.

Resistant to Oil, Grease, Chemical and Atmospheric Agents, Detergents, Oxalic Acids, Alkaline Solutions and Organic and Inorganic Chemical Substances. High elasticity combined with high rigidity, for optimal grip on the conductor.

**Cable ext. Ø range 1,4 ÷ 1,8 mm (0.05 ÷ 0.07 in.)**

**C.s.a range 0,35 ÷ 0,75 mm<sup>2</sup> (22 ÷ 18 AWG)**



**POM** **HF** **-40°C** **+106°C**

**RoHS**  
COMPLIANT  
2011/65/EU

Printed	white	yellow	Quantity	Printed	white	yellow	Quantity	Printed	Code	Quantity
0	17910-0	17410-0	300	R	17910-R	17410-R	300	0	17010-0	300
1	17910-1	17410-1	300	S	17910-S	17410-S	300		17010-	300
2	17910-2	17410-2	300	T	17910-T	17410-T	300	1	17110-1	300
3	17910-3	17410-3	300	U	17910-U	17410-U	300		17110-	300
4	17910-4	17410-4	300	V	17910-V	17410-V	300	2	17210-2	300
5	17910-5	17410-5	300	W	17910-W	17410-W	300	+	17210-PLS	300
6	17910-6	17410-6	300	X	17910-X	17410-X	300		17210-	300
7	17910-7	17410-7	300	Y	17910-Y	17410-Y	300	3	17310-3	300
8	17910-8	17410-8	300	Z	17910-Z	17410-Z	300		17310-	300
9	17910-9	17410-9	300		17910-	17410-	300	5	17510-5	300
A	17910-A	17410-A	300	+	17910-PLS	17410-PLS	300		17510-	300
B	17910-B	17410-B	300	-	17910-MNS	17410-MNS	300	6	17610-6	300
C	17910-C	17410-C	300	~	17910-AC	17410-AC	300	-	17610-MNS	300
D	17910-D	17410-D	300	/	17910-STK	17410-STK	300		17610-	300
E	17910-E	17410-E	300	.	17910-DOT	17410-DOT	300	7	17710-7	300
F	17910-F	17410-F	300	⏏	17910-GND	17410-GND	300		17710-	300
G	17910-G	17410-G	300	:	17910-CLN	17410-CLN	300	8	17810-8	300
H	17910-H	17410-H	300						17810-	300
I	17910-I	17410-I	300							
J	17910-J	17410-J	300							
K	17910-K	17410-K	300							
L	17910-L	17410-L	300							
M	17910-M	17410-M	300							
N	17910-N	17410-N	300							
O	17910-O	17410-O	300							
P	17910-P	17410-P	300							
Q	17910-Q	17410-Q	300							

RETROFIT? INDISPENSABLE!

## Snap on cable markers

*alphanumeric*

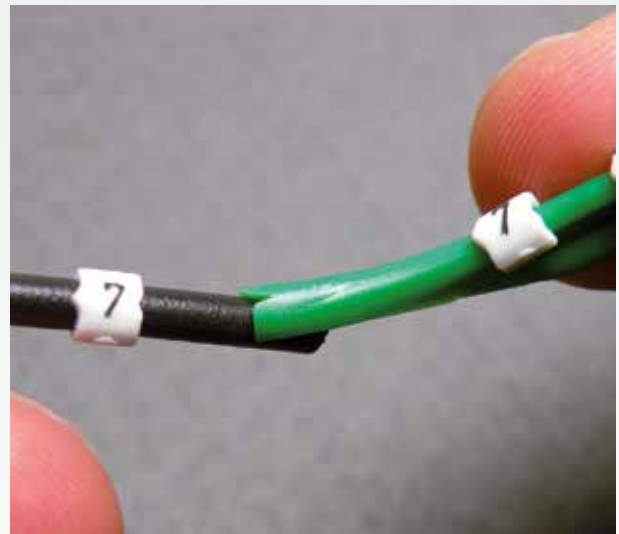
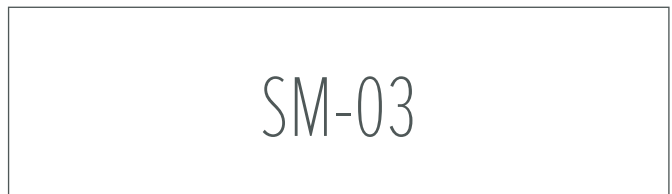
Markers are attached directly from their applicator, which is green.

**Material:** POM – Acetylic Resin dimensionally stable to **+106°C (+222°F)**, nondegradable and nondeformable to **-40°C (-40°F)**, Halogen Free.

Resistant to Oil, Grease, Chemical and Atmospheric Agents, Detergents, Oxalic Acids, Alkaline Solutions and Organic and Inorganic Chemical Substances. High elasticity combined with high rigidity, for optimal grip on the conductor.

**Cable ext. Ø range 1,9 ÷ 2,65 mm (0.07 ÷ 0.10 in.)**

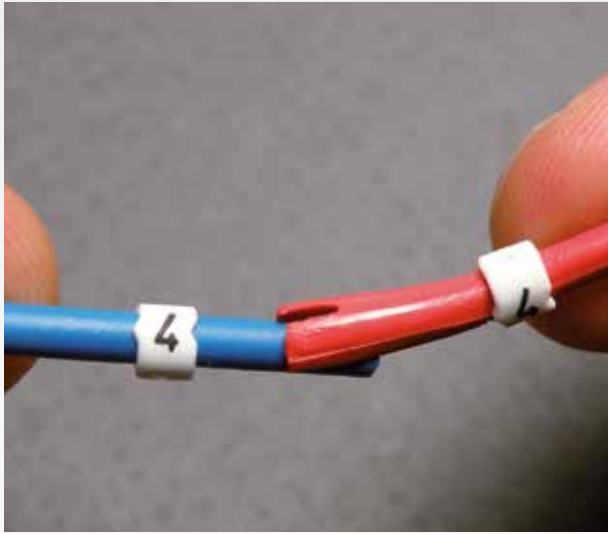
**C.s.a range 0,5 ÷ 1 mm<sup>2</sup> (20 ÷ 17 AWG)**



Printed	white	yellow	Quantity	Printed	white	yellow	Quantity	Printed	Code	Quantity
0	17920-0	17420-0	300	R	17920-R	17420-R	300	0	17020-0	300
1	17920-1	17420-1	300	S	17920-S	17420-S	300		17020-	300
2	17920-2	17420-2	300	T	17920-T	17420-T	300	1	17120-1	300
3	17920-3	17420-3	300	U	17920-U	17420-U	300		17120-	300
4	17920-4	17420-4	300	V	17920-V	17420-V	300	2	17220-2	300
5	17920-5	17420-5	300	W	17920-W	17420-W	300		17220-	300
6	17920-6	17420-6	300	X	17920-X	17420-X	300	3	17320-3	300
7	17920-7	17420-7	300	Y	17920-Y	17420-Y	300		17320-	300
8	17920-8	17420-8	300	Z	17920-Z	17420-Z	300	5	17520-5	300
9	17920-9	17420-9	300		17920-	17420-	300		17520-	300
A	17920-A	17420-A	300	+	17920-PLS	17420-PLS	300	6	17620-6	300
B	17920-B	17420-B	300	-	17920-MNS	17420-MNS	300		17620-	300
C	17920-C	17420-C	300	~	17920-AC	17420-AC	300	7	17720-7	300
D	17920-D	17420-D	300	/	17920-STK	17420-STK	300		17720-	300
E	17920-E	17420-E	300	.	17920-DOT	17420-DOT	300	8	17820-8	300
F	17920-F	17420-F	300	⏏	17920-GND	17420-GND	300		17820-	300
G	17920-G	17420-G	300	:	17920-CLN	17420-CLN	300			
H	17920-H	17420-H	300							
I	17920-I	17420-I	300							
J	17920-J	17420-J	300							
K	17920-K	17420-K	300							
L	17920-L	17420-L	300							
M	17920-M	17420-M	300							
N	17920-N	17420-N	300							
O	17920-O	17420-O	300							
P	17920-P	17420-P	300							
Q	17920-Q	17420-Q	300							

RETROFIT? INDISPENSABLE!

# SM-06



## MANUAL SYSTEM

### Snap on cable markers

*alphanumeric*

Markers are attached directly from their applicator, which is red. Printed both sides for better legibility.

**Material:** POM – Acetylic Resin dimensionally stable to **+106°C (+222°F)**, nondegradable and nondeformable to **-40°C (-40°F)**, Halogen Free.

Resistant to Oil, Grease, Chemical and Atmospheric Agents, Detergents, Oxalic Acids, Alkaline Solutions and Organic and Inorganic Chemical Substances. High elasticity combined with high rigidity, for optimal grip on the conductor.

**Cable ext. Ø range 2,6 ÷ 3,5 mm (0.10 ÷ 0.13 in.)**

**C.s.a range 0,75 ÷ 1,5 mm<sup>2</sup> (18 ÷ 15 AWG)**



**POM** **HF** **-40°C** **+106°C**

**RoHS**  
COMPLIANT  
2011/65/EU

Printed	white	yellow	Quantity	Printed	white	yellow	Quantity	Printed	Code	Quantity
0	17930-0	17430-0	300	R	17930-R	17430-R	300	0	17030-0	300
1	17930-1	17430-1	300	S	17930-S	17430-S	300		17030-	300
2	17930-2	17430-2	300	T	17930-T	17430-T	300	1	17130-1	300
3	17930-3	17430-3	300	U	17930-U	17430-U	300		17130-	300
4	17930-4	17430-4	300	V	17930-V	17430-V	300	2	17230-2	300
5	17930-5	17430-5	300	W	17930-W	17430-W	300	+	17230-PLS	300
6	17930-6	17430-6	300	X	17930-X	17430-X	300		17230-	300
7	17930-7	17430-7	300	Y	17930-Y	17430-Y	300	3	17330-3	300
8	17930-8	17430-8	300	Z	17930-Z	17430-Z	300		17330-	300
9	17930-9	17430-9	300		17930-	17430-	300	5	17530-5	300
A	17930-A	17430-A	300	+	17930-PLS	17430-PLS	300		17530-	300
B	17930-B	17430-B	300	-	17930-MNS	17430-MNS	300	6	17630-6	300
C	17930-C	17430-C	300	~	17930-AC	17430-AC	300	-	17630-MNS	300
D	17930-D	17430-D	300	/	17930-STK	17430-STK	300		17630-	300
E	17930-E	17430-E	300	.	17930-DOT	17430-DOT	300	7	17730-7	300
F	17930-F	17430-F	300	⏏	17930-GND	17430-GND	300		17730-	300
G	17930-G	17430-G	300	:	17930-CLN	17430-CLN	300	8	17830-8	300
H	17930-H	17430-H	300						17830-	300
I	17930-I	17430-I	300							
J	17930-J	17430-J	300							
K	17930-K	17430-K	300							
L	17930-L	17430-L	300							
M	17930-M	17430-M	300							
N	17930-N	17430-N	300							
O	17930-O	17430-O	300							
P	17930-P	17430-P	300							
Q	17930-Q	17430-Q	300							

RETROFIT? INDISPENSABLE!

## Snap on cable markers

*alphanumeric*

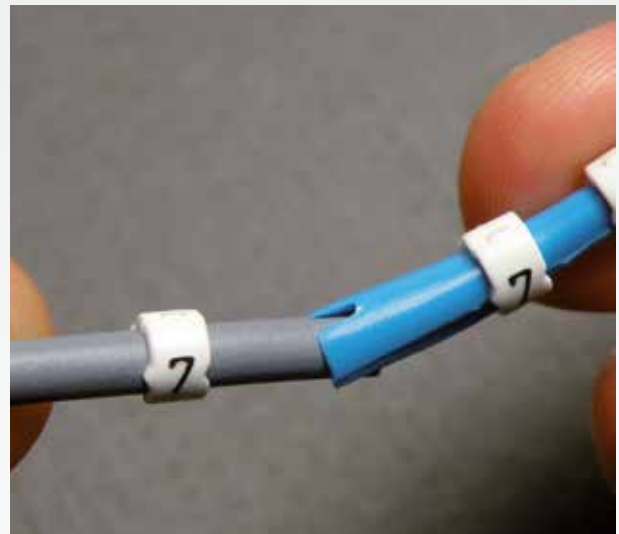
The number of 30 Markers are attached directly from their applicator, which is blue. Printed both sides for better legibility.

**Material:** POM – Acetylic Resin dimensionally stable to **+106°C (+222°F)**, nondegradable and nondeformable to **-40°C (-40°F)**, Halogen Free.

Resistant to Oil, Grease, Chemical and Atmospheric Agents, Detergents, Oxalic Acids, Alkaline Solutions and Organic and Inorganic Chemical Substances. High elasticity combined with high rigidity, for optimal grip on the conductor.

**Cable ext. Ø range 3,25 ÷ 4,5 mm (0.13 ÷ 0.17 in.)**

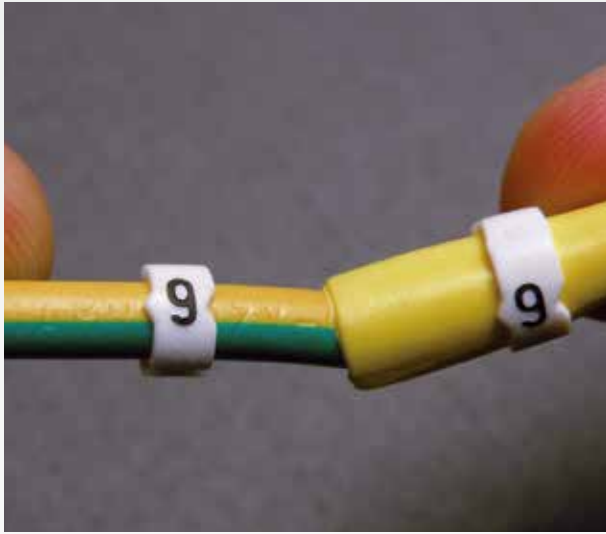
**C.s.a range 1,5 ÷ 2,5 mm<sup>2</sup> (15 ÷ 13 AWG)**



Printed	white	yellow	Quantity	Printed	white	yellow	Quantity	Printed	Code	Quantity
0	17940-0	17440-0	300	R	17940-R	17440-R	300	0	17040-0	300
1	17940-1	17440-1	300	S	17940-S	17440-S	300		17040-	300
2	17940-2	17440-2	300	T	17940-T	17440-T	300	1	17140-1	300
3	17940-3	17440-3	300	U	17940-U	17440-U	300		17140-	300
4	17940-4	17440-4	300	V	17940-V	17440-V	300	2	17240-2	300
5	17940-5	17440-5	300	W	17940-W	17440-W	300	+	17240-PLS	300
6	17940-6	17440-6	300	X	17940-X	17440-X	300		17240-	300
7	17940-7	17440-7	300	Y	17940-Y	17440-Y	300	3	17340-3	300
8	17940-8	17440-8	300	Z	17940-Z	17440-Z	300		17340-	300
9	17940-9	17440-9	300		17940-	17440-	300	5	17540-5	300
A	17940-A	17440-A	300	+	17940-PLS	17440-PLS	300		17540-	300
B	17940-B	17440-B	300	-	17940-MNS	17440-MNS	300	6	17640-6	300
C	17940-C	17440-C	300	~	17940-AC	17440-AC	300	-	17640-MNS	300
D	17940-D	17440-D	300	/	17940-STK	17440-STK	300		17640-	300
E	17940-E	17440-E	300	.	17940-DOT	17440-DOT	300	7	17740-7	300
F	17940-F	17440-F	300	⏏	17940-GND	17440-GND	300		17740-	300
G	17940-G	17440-G	300	:	17940-CLN	17440-CLN	300	8	17840-8	300
H	17940-H	17440-H	300						17840-	300
I	17940-I	17440-I	300							
J	17940-J	17440-J	300							
K	17940-K	17440-K	300							
L	17940-L	17440-L	300							
M	17940-M	17440-M	300							
N	17940-N	17440-N	300							
O	17940-O	17440-O	300							
P	17940-P	17440-P	300							
Q	17940-Q	17440-Q	300							

RETROFIT? INDISPENSABLE!

# SM-12



## MANUAL SYSTEM

### Snap on cable markers

*alphanumeric*

Markers are attached directly from their applicator, which is yellow. They are particularly recommended for identifying the connecting cables of IT networks.

**Material:** POM – Acetylic Resin dimensionally stable to **+106°C (+222°F)**, nondegradable and nondeformable to **-40°C (-40°F)**, Halogen Free.

Resistant to Oil, Grease, Chemical and Atmospheric Agents, Detergents, Oxalic Acids, Alkaline Solutions and Organic and Inorganic Chemical Substances. High elasticity combined with high rigidity, for optimal grip on the conductor.

**Cable ext. Ø range 4,5 ÷ 65 mm (0.17 ÷ 0.23 in.)**

**C.s.a range 4 ÷ 6 mm<sup>2</sup> (11 ÷ 10 AWG)**



Printed	white	yellow	Quantity	Printed	white	yellow	Quantity	Printed	Code	Quantity
0	17950-0	17450-0	300	R	17950-R	17450-R	300	0	17050-0	300
1	17950-1	17450-1	300	S	17950-S	17450-S	300		17050-	300
2	17950-2	17450-2	300	T	17950-T	17450-T	300	1	17150-1	300
3	17950-3	17450-3	300	U	17950-U	17450-U	300		17150-	300
4	17950-4	17450-4	300	V	17950-V	17450-V	300	2	17250-2	300
5	17950-5	17450-5	300	W	17950-W	17450-W	300	+	17250-PLS	300
6	17950-6	17450-6	300	X	17950-X	17450-X	300		17250-	300
7	17950-7	17450-7	300	Y	17950-Y	17450-Y	300	3	17350-3	300
8	17950-8	17450-8	300	Z	17950-Z	17450-Z	300		17350-	300
9	17950-9	17450-9	300		17950-	17450-	300	5	17550-5	300
A	17950-A	17450-A	300	+	17950-PLS	17450-PLS	300		17550-	300
B	17950-B	17450-B	300	-	17950-MNS	17450-MNS	300	6	17650-6	300
C	17950-C	17450-C	300	~	17950-AC	17450-AC	300	-	17650-MNS	300
D	17950-D	17450-D	300	/	17950-STK	17450-STK	300		17650-	300
E	17950-E	17450-E	300	.	17950-DOT	17450-DOT	300	7	17750-7	300
F	17950-F	17450-F	300	⏚	17950-GND	17450-GND	300		17750-	300
G	17950-G	17450-G	300	:	17950-CLN	17450-CLN	300	8	17850-8	300
H	17950-H	17450-H	300						17850-	300
I	17950-I	17450-I	300							
J	17950-J	17450-J	300							
K	17950-K	17450-K	300							
L	17950-L	17450-L	300							
M	17950-M	17450-M	300							
N	17950-N	17450-N	300							
O	17950-O	17450-O	300							
P	17950-P	17450-P	300							
Q	17950-Q	17450-Q	300							

RETROFIT? INDISPENSABLE!

## Snap on cable markers

*alphanumeric*

Loose cable markers, particularly recommended for identifying the connecting cables of IT networks.

**Material:** POM – Acetylic Resin dimensionally stable to **+106°C (+222°F)**, nondegradable and nondeformable to **-40°C (-40°F)**, Halogen Free.

Resistant to Oil, Grease, Chemical and Atmospheric Agents, Detergents, Oxalic Acids, Alkaline Solutions and Organic and Inorganic Chemical Substances. High elasticity combined with high rigidity, for optimal grip on the conductor.

**Cable ext. Ø range 5,8 ÷ 8,5 mm (0.22 ÷ 0.33 in.)**

**C.s.a range 10 ÷ 16 mm<sup>2</sup> (7 ÷ 5 AWG)**

# SM-15



Printed	white	yellow	Quantity	Printed	white	yellow	Quantity	Printed	Code	Quantity
0	17960-0	17460-0	50	M	17960-M	17460-M	50	0	17060-0	50
1	17960-1	17460-1	50	N	17960-N	17460-N	50		17060-	50
2	17960-2	17460-2	50	O	17960-O	17460-O	50	1	17160-1	50
3	17960-3	17460-3	50	P	17960-P	17460-P	50		17160-	50
4	17960-4	17460-4	50	Q	17960-Q	17460-Q	50	2	17260-2	50
5	17960-5	17460-5	50	R	17960-R	17460-R	50	+	17260-PLS	50
6	17960-6	17460-6	50	S	17960-S	17460-S	50		17260-	50
7	17960-7	17460-7	50	T	17960-T	17460-T	50	3	17360-3	50
8	17960-8	17460-8	50	U	17960-U	17460-U	50		17360-	50
9	17960-9	17460-9	50	V	17960-V	17460-V	50	5	17560-5	50
A	17960-A	17460-A	50	W	17960-W	17460-W	50		17560-	50
B	17960-B	17460-B	50	X	17960-X	17460-X	50	6	17660-6	50
C	17960-C	17460-C	50	Y	17960-Y	17460-Y	50	-	17660-MNS	50
D	17960-D	17460-D	50	Z	17960-Z	17460-Z	50		17660-	50
E	17960-E	17460-E	50		17960-	17460-	50	7	17760-7	50
F	17960-F	17460-F	50	+	17960-PLS	17460-PLS	50		17760-	50
G	17960-G	17460-G	50	-	17960-MNS	17460-MNS	50	8	17860-8	50
H	17960-H	17460-H	50	~	17960-AC	17460-AC	50		17860-	50
I	17960-I	17460-I	50	/	17960-STK	17460-STK	50	RETROFIT? INDISPENSABLE!		
J	17960-J	17460-J	50	.	17960-DOT	17460-DOT	50			
K	17960-K	17460-K	50	⊥	17960-GND	17460-GND	50			
L	17960-L	17460-L	50	:	17960-CLN	17460-CLN	50			

MANUAL SYSTEM

*Direttamente sui cavi*

applicator STM-15 990103 .....page 96

i

# SM-17



## MANUAL SYSTEM

### Snap on cable markers

*alphanumeric*

Loose cable markers.

**Material:** POM – Acetylic Resin dimensionally stable to **+106°C (+222°F)**, nondegradable and nondeformable to **-40°C (-40°F)**, Halogen Free.

Resistant to Oil, Grease, Chemical and Atmospheric Agents, Detergents, Oxalic Acids, Alkaline Solutions and Organic and Inorganic Chemical Substances. High elasticity combined with high rigidity, for optimal grip on the conductor.

**Cable ext. Ø range 8,5 ÷ 11,5 mm (0.33 ÷ 0.45 in.)**

**C.s.a range 25 ÷ 35 mm<sup>2</sup> (3 ÷ 2 AWG)**



Printed	white	yellow	Quantity	Printed	white	yellow	Quantity	Printed	Code	Quantity
0	17970-0	17470-0	50	M	17970-M	17470-M	50	0	17070-0	50
1	17970-1	17470-1	50	N	17970-N	17470-N	50		17070-	50
2	17970-2	17470-2	50	O	17970-O	17470-O	50	1	17170-1	50
3	17970-3	17470-3	50	P	17970-P	17470-P	50		17170-	50
4	17970-4	17470-4	50	Q	17970-Q	17470-Q	50	2	17270-2	50
5	17970-5	17470-5	50	R	17970-R	17470-R	50	+	17270-PLS	50
6	17970-6	17470-6	50	S	17970-S	17470-S	50		17270-	50
7	17970-7	17470-7	50	T	17970-T	17470-T	50	3	17370-3	50
8	17970-8	17470-8	50	U	17970-U	17470-U	50		17370-	50
9	17970-9	17470-9	50	V	17970-V	17470-V	50	5	17570-5	50
A	17970-A	17470-A	50	W	17970-W	17470-W	50		17570-	50
B	17970-B	17470-B	50	X	17970-X	17470-X	50	6	17670-6	50
C	17970-C	17470-C	50	Y	17970-Y	17470-Y	50	-	17670-MNS	50
D	17970-D	17470-D	50	Z	17970-Z	17470-Z	50		17670-	50
E	17970-E	17470-E	50		17970-	17470-	50	7	17770-7	50
F	17970-F	17470-F	50	+	17970-PLS	17470-PLS	50		17770-	50
G	17970-G	17470-G	50	-	17970-MNS	17470-MNS	50	8	17870-8	50
H	17970-H	17470-H	50	~	17970-AC	17470-AC	50		17870-	50
I	17970-I	17470-I	50	/	17970-STK	17470-STK	50			
J	17970-J	17470-J	50	.	17970-DOT	17470-DOT	50			
K	17970-K	17470-K	50	⊥	17970-GND	17470-GND	50			
L	17970-L	17470-L	50	:	17970-CLN	17470-CLN	50			

RETROFIT? INDISPENSABLE!



Directly on cable

applicator STM-17 990104..... page 96



## Snap on cable markers

*alphanumeric*

Loose cable markers.

**Material:** POM – Acetylic Resin dimensionally stable to **+106°C (+222°F)**, nondegradable and nondeformable to **-40°C (-40°F)**, Halogen Free.

Resistant to Oil, Grease, Chemical and Atmospheric Agents, Detergents, Oxalic Acids, Alkaline Solutions and Organic and Inorganic Chemical Substances. High elasticity combined with high rigidity, for optimal grip on the conductor.

**Cable ext. Ø range 11 ÷ 15 mm (0.43 ÷ 0.59 in.)**

**C.s.a range 35 ÷ 70 mm<sup>2</sup> (2 ÷ 2/0 AWG)**

SM-21



Printed	white	yellow	Quantity	Printed	white	yellow	Quantity	Printed	white	yellow	Quantity
0	17980-0	17480-0	50	F	17980-F	17480-F	50	U	17980-U	17480-U	50
1	17980-1	17480-1	50	G	17980-G	17480-G	50	V	17980-V	17480-V	50
2	17980-2	17480-2	50	H	17980-H	17480-H	50	W	17980-W	17480-W	50
3	17980-3	17480-3	50	I	17980-I	17480-I	50	X	17980-X	17480-X	50
4	17980-4	17480-4	50	J	17980-J	17480-J	50	Y	17980-Y	17480-Y	50
5	17980-5	17480-5	50	K	17980-K	17480-K	50	Z	17980-Z	17480-Z	50
6	17980-6	17480-6	50	L	17980-L	17480-L	50		17980-	17480-	50
7	17980-7	17480-7	50	M	17980-M	17480-M	50	+	17980-PLS	17480-PLS	50
8	17980-8	17480-8	50	N	17980-N	17480-N	50	-	17980-MNS	17480-MNS	50
9	17980-9	17480-9	50	O	17980-O	17480-O	50	~	17980-AC	17480-AC	50
A	17980-A	17480-A	50	P	17980-P	17480-P	50	/	17980-STK	17480-STK	50
B	17980-B	17480-B	50	Q	17980-Q	17480-Q	50	.	17980-DOT	17480-DOT	50
C	17980-C	17480-C	50	R	17980-R	17480-R	50	⊥	17980-GND	17480-GND	50
D	17980-D	17480-D	50	S	17980-S	17480-S	50	:	17980-CLN	17480-CLN	50
E	17980-E	17480-E	50	T	17980-T	17480-T	50				

RETROFIT? INDISPENSABLE!

Directly on cable

applicator STM-21 990105 .....page 96

# SM-24



## MANUAL SYSTEM

### Snap on cable markers

*alphanumeric*

Loose cable markers.

**Material:** POM – Acetylic Resin dimensionally stable to **+106°C (+222°F)**, nondegradable and nondeformable to **-40°C (-40°F)**, Halogen Free.

Resistant to oil, Grease, Chemical and Atmospheric Agents, Detergents, Oxalic Acids, Alkaline Solutions and Organic and Inorganic Chemical Substances. High elasticity combined with high rigidity, for optimal grip on the conductor.

**Cable ext. Ø range 15 ÷ 19 mm (0.59 ÷ 0.74 in.)**

**C.s.a range 70 ÷ 120 mm<sup>2</sup> (2/0 ÷ 4/0 AWG)**

**POM HF -40°C +106°C**



Printed	white	yellow	Quantity	Printed	white	yellow	Quantity	Printed	white	yellow	Quantity
0	17990-0	17490-0	50	F	17990-F	17490-F	50	U	17990-U	17490-U	50
1	17990-1	17490-1	50	G	17990-G	17490-G	50	V	17990-V	17490-V	50
2	17990-2	17490-2	50	H	17990-H	17490-H	50	W	17990-W	17490-W	50
3	17990-3	17490-3	50	I	17990-I	17490-I	50	X	17990-X	17490-X	50
4	17990-4	17490-4	50	J	17990-J	17490-J	50	Y	17990-Y	17490-Y	50
5	17990-5	17490-5	50	K	17990-K	17490-K	50	Z	17990-Z	17490-Z	50
6	17990-6	17490-6	50	L	17990-L	17490-L	50		17990-	17490-	50
7	17990-7	17490-7	50	M	17990-M	17490-M	50	+	17990-PLS	17490-PLS	50
8	17990-8	17490-8	50	N	17990-N	17490-N	50	-	17990-MNS	17490-MNS	50
9	17990-9	17490-9	50	O	17990-O	17490-O	50	~	17990-AC	17490-AC	50
A	17990-A	17490-A	50	P	17990-P	17490-P	50	/	17990-STK	17490-STK	50
B	17990-B	17490-B	50	Q	17990-Q	17490-Q	50	.	17990-DOT	17490-DOT	50
C	17990-C	17490-C	50	R	17990-R	17490-R	50	⊥	17990-GND	17490-GND	50
D	17990-D	17490-D	50	S	17990-S	17490-S	50	:	17990-CLN	17490-CLN	50
E	17990-E	17490-E	50	T	17990-T	17490-T	50				

### Applicators

*for loose cable markers*

Markers	Code	Quantity
SM-15	STM-15 990103	1
SM-17	STM-17 990104	1
SM-21	STM-21 990105	1
SM-24	STM-24 990106	1



*Directly on cable*

applicator STM-24 990106.....page 96

## Marking system accessories

Choose from the following accessories to complete, enhance or protect the printed media.

- *transparent holders for cable tags,*
- *push button legend bases to fit the leading brands,*
- *cable ties,*
- *legend mounting rail,*
- *marker plate and legend strip covers*

### TRANSPARENT HOLDERS FOR CABLE TAGS

Holders are pushed directly on to smaller diameter cables, tubing and pipe or fixed with cable ties to larger diameters.

Self adhesive versions may be affixed directly to equipment.

Some types and sizes are available in Halogen Free material.

### CABLE TIES

Tie on cable markers, holders and dog tags are firmly fixed, with Cembre G range cable ties, to larger diameter cables & pipes and diverse valves, tappings, etc.

### PUSH BUTTON & LEGEND BASES

Designed to fit all major brands, quick-fitting Cembre push button bases with printed legends, both enhance aesthetic qualities and allow transparent covers to be used to increase environmental protection.

### MARKER PLATE COVERS

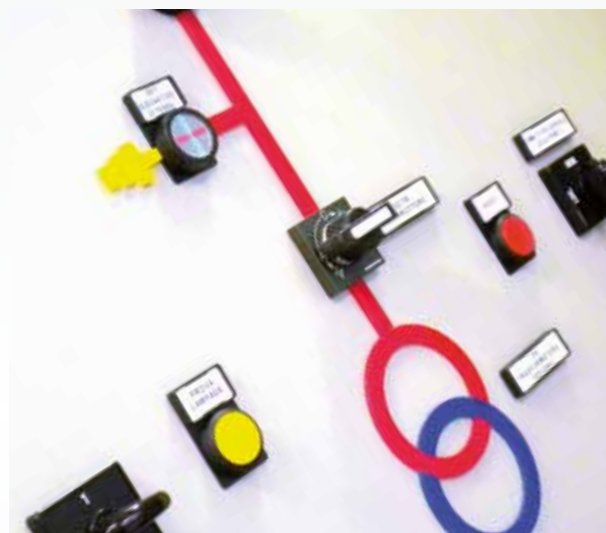
Transparent Polycarbonate covers with pre-drilled fixing holes add extra protection to printed panel plates in aggressive environments.

### LEGEND MOUNTING RAIL AND COVERS

9 mm and 15 mm high legends are easily and quickly slotted in to rails for the identification of banks of product.

Rails may be cut and either drilled or stuck to suitable surfaces while optional transparent covers increase environmental protection where appropriate.

# ACCESSORIES



# PMF

## ACCESSORIES

### Transparent tag holders 4 mm





for serie FLAT cable tags 4 mm

PMF holders are specifically designed to accommodate pairs of appropriately sized cables.

**Material:** plasticised PVC, self extinguishing to class VO: UL 94, free of Cadmium, Lead, Silicon and Teflon.  
Resistant to Alkali, Alcohol, Acid and many Solvents.




**Operating temperature range:** -40°C (-40°F) to +80°C (+176°F)



	Cable ext. Ø range mm	Cable c.s.a range mm <sup>2</sup>	Length mm		Quantity	
	1,3 ÷ 2,2	0,25 ÷ 0,5	10	PMF-00	90000	8.000
			12	PMF-00	90010	7.000
			15	PMF-00	90020	6.000
			20	PMF-00	90040	4.000
			30	PMF-00	90070	2.000
			40	PMF-00	90090	2.500
	2 ÷ 3,7	0,5 ÷ 2,5	10	PMF-01	90100	6.000
			12	PMF-01	90110	5.000
			15	PMF-01	90120	4.000
			20	PMF-01	90140	3.000
			30	PMF-01	90170	2.000
			40	PMF-01	90190	1.000
	3,4 ÷ 4,3	2,5 ÷ 4	10	PMF-02	90200	4.000
			12	PMF-02	90210	4.000
			15	PMF-02	90220	3.000
			20	PMF-02	90240	2.000
			30	PMF-02	90270	1.000
			40	PMF-02	90290	1.000
	4 ÷ 6,3	4 ÷ 10	10	PMF-03	90300	3.000
			12	PMF-03	90310	2.000
			15	PMF-03	90320	2.000
			20	PMF-03	90340	1.000
			30	PMF-03	90370	1.000
			40	PMF-03	90390	1.000

# PMF



	Cable ext.Ø range mm	Cable c.s.a range mm <sup>2</sup>	Length mm		Quantity	
	6 ÷ 10	10 ÷ 25	10	<b>PMF-04</b>	<b>90400</b>	2.000
			12	<b>PMF-04</b>	<b>90410</b>	1.000
			15	<b>PMF-04</b>	<b>90420</b>	1.000
			20	<b>PMF-04</b>	<b>90440</b>	500
			30	<b>PMF-04</b>	<b>90470</b>	500
			40	<b>PMF-04</b>	<b>90490</b>	500
	9 ÷ 15	25 ÷ 70	10	<b>PMF-05</b>	<b>90500</b>	500
			12	<b>PMF-05</b>	<b>90510</b>	500
			15	<b>PMF-05</b>	<b>90520</b>	250
			20	<b>PMF-05</b>	<b>90540</b>	250
			30	<b>PMF-05</b>	<b>90570</b>	150
			40	<b>PMF-05</b>	<b>90590</b>	100
	14 ÷ 26	70 ÷ 240	10	<b>PMF-06</b>	<b>90600</b>	500
			12	<b>PMF-06</b>	<b>90610</b>	250
			15	<b>PMF-06</b>	<b>90620</b>	250
			20	<b>PMF-06</b>	<b>90640</b>	100
			30	<b>PMF-06</b>	<b>90670</b>	100
			40	<b>PMF-06</b>	<b>90690</b>	100



It is advisable to select the holder size based on the actual external diameter of the cable rather than its indicative c.s.a, due to variations in insulation thickness and conductor format.

Consult us for holders in other lengths.

**Use holders only with designated cable tags of the same length.**

cable tags, 4 mm MG-TPMF.....	page 12
cable tags, 4 mm TPM-ROLL.....	page 51

# PMF-HF



## ACCESSORIES

### Transparent tag holders - Halogen Free

for serie *FLAT* cable tags 4 mm

PMF holders are specifically designed to accommodate pairs of appropriately sized cables.

**Material:** Copolymer EVA, self extinguishing to class HB: UL 94 Halogen Free

**Operating temperature range:** -40°C (-40°F) to +80°C (+176°F)



	Cable ext. Ø range mm	Cable c.s.a range mm <sup>2</sup>	Length mm			Quantity
	1,3 ÷ 2,2	0,25 ÷ 0,5	10	PMF-00	90000-HF	8.000
			12	PMF-00	90010-HF	7.000
			15	PMF-00	90020-HF	6.000
			20	PMF-00	90040-HF	4.000
	2 ÷ 3,7	0,5 ÷ 2,5	10	PMF-01	90100-HF	6.000
			12	PMF-01	90110-HF	5.000
			15	PMF-01	90120-HF	4.000
			20	PMF-01	90140-HF	3.000
			30	PMF-01	90170-HF	2.000
	3,4 ÷ 4,3	2,5 ÷ 4	10	PMF-02	90200-HF	4.000
			12	PMF-02	90210-HF	4.000
			15	PMF-02	90220-HF	3.000
			20	PMF-02	90240-HF	2.000
	4 ÷ 6,3	4 ÷ 10	30	PMF-02	90270-HF	1.000
			10	PMF-03	90300-HF	3.000
			12	PMF-03	90310-HF	2.000
			15	PMF-03	90320-HF	2.000
			20	PMF-03	90340-HF	1.000
			30	PMF-03	90370-HF	1.000

It is advisable to select the holder size based on the actual external diameter of the cable rather than its indicative c.s.a, due to variations in insulation thickness and conductor format.

Consult us for holders in other lengths.

**Use holders only with designated cable tags of the same length.**



cable tags, 4 mm MG-TPMF.....	page 12
cable tags, 4 mm TPM-ROLL.....	page 51

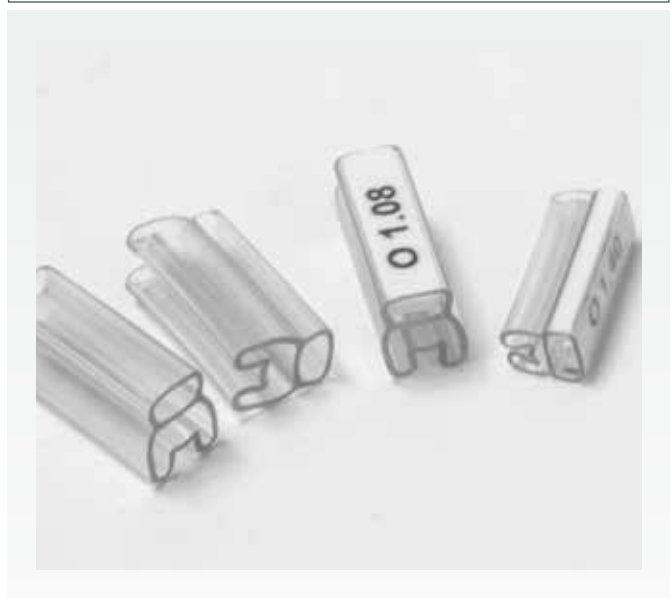
## Transparent tag holders 4 mm



for cable tags 4 mm

PM holders are profiled to allow each type to accommodate a range of cable sizes.

**Material:** plasticised PVC, self extinguishing to class VO: UL 94, free of Cadmium, Lead, Silicon and Teflon. Resistant to Alkali, Alcohol, Acid and many Solvents.

**Operating temperature range:** -40°C (-40°F) to +80°C (+176°F)



	Cable ext. Ø range mm	Cable c.s.a range mm <sup>2</sup>	Length mm		Quantity	
	1,3 ÷ 2,2	1,25 ÷ 0,5	10	PM-00	50000	8.000
			10	PM-00	50002	2.000
			12	PM-00	50010	7.000
			12	PM-00	50012	2.000
			15	PM-00	50020	6.000
			15	PM-00	50022	2.000
			18	PM-00	50032	1.000
			21	PM-00	50042	1.000
			23	PM-00	50052	1.000
			27	PM-00	50062	1.000
			30	PM-00	50072	500
			1.000	PM-00	50080	10
				2 ÷ 3,7	0,5 ÷ 2,5	10
10	PM-01	50102				2.000
12	PM-01	50110				5.000
12	PM-01	50112				1.000
15	PM-01	50120				4.000
15	PM-01	50122				1.000
18	PM-01	50130				3.000
21	PM-01	50140				3.000
23	PM-01	50150				2.000
27	PM-01	50160				2.000
30	PM-01	50170				1.000
1.000	PM-01	50180				10



# PM




## ACCESSORIES

### Transparent tag holders 4 mm

for cable tags 4 mm



plasticised  
PVC -40°C +80°C

UL94  
VO  
RoHS  
COMPLIANT  
2011/65/EU

	Cable ext. Ø range mm	Cable c.s.a range mm <sup>2</sup>	Length mm			Quantity
	3,4 ÷ 4,3	2,5 ÷ 4	10	PM-02	50200	4.000
			10	PM-02	50202	1.000
			12	PM-02	50210	4.000
			12	PM-02	50212	1.000
			15	PM-02	50220	3.000
			15	PM-02	50222	1.000
			18	PM-02	50230	2.000
			21	PM-02	50240	2.000
			23	PM-02	50250	2.000
			27	PM-02	50260	1.000
			30	PM-02	50270	1.000
			1.000	PM-02	50280	10
	4 ÷ 6,3	4 ÷ 10	10	PM-03	50300	3.000
			10	PM-03	50302	1.000
			12	PM-03	50310	2.000
			12	PM-03	50312	500
			15	PM-03	50320	2.000
			15	PM-03	50322	500
			18	PM-03	50330	1.000
			21	PM-03	50340	1.000
			23	PM-03	50350	1.000
			27	PM-03	50360	1.000
			30	PM-03	50370	500
			1.000	PM-03	50380	10
	6 ÷ 10	10 ÷ 25	10	PM-04	50400	2.000
			10	PM-04	50402	500
			12	PM-04	50410	1.000
			12	PM-04	50411	500
			15	PM-04	50420	1.000
			15	PM-04	50421	500
			18	PM-04	50430	1.000
			21	PM-04	50440	500
			23	PM-04	50450	500
			27	PM-04	50460	500
			30	PM-04	50470	500
			1.000	PM-04	50480	10





	Cable ext. Ø range mm	Cable c.s.a range mm <sup>2</sup>	Length mm			Quantity
	9 ÷ 15	25 ÷ 70	10	PM-05	50500	500
			12	PM-05	50510	500
			15	PM-05	50521	250
			18	PM-05	50530	250
			21	PM-05	50540	250
			23	PM-05	50550	250
			27	PM-05	50560	250
			30	PM-05	50570	250
			1.000	PM-05	50580	10
				14 ÷ 26	70 ÷ 240	10
12	PM-06	50610				250
15	PM-06	50620				250
18	PM-06	50630				250
21	PM-06	50640				100
23	PM-06	50650				100
27	PM-06	50660				100
30	PM-06	50670				100
1.000	PM-06	50680				10

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markers PMP-30.....	page 72



It is advisable to select the holder size based on the actual external diameter of the cable rather than its indicative c.s.a, due to variations in insulation thickness and conductor format.

Consult us for holders in other lengths.

**Use holders only with designated cable tags of the same length.**

# PM-HF



## ACCESSORIES

### Transparent tag holders - Halogen Free





for cable tags 4 mm

PMF holders are specifically designed to accommodate pairs of appropriately sized cables.

**Material:** Copolymer EVA, self extinguishing to class HB: UL 94 Halogen Free

**Operating temperature range:** -40°C (-40°F) to +80°C (+176°F)



	Cable ext. Ø range mm	Cable c.s.a range mm <sup>2</sup>	Length mm			Quantity
	1,3 ÷ 2,2	1,25 ÷ 0,5	10	<b>PM-00</b>	<b>50002-HF</b>	2.000
			12	<b>PM-00</b>	<b>50012-HF</b>	2.000
			15	<b>PM-00</b>	<b>50022-HF</b>	2.000
	2 ÷ 3,7	0,5 ÷ 2,5	10	<b>PM-01</b>	<b>50102-HF</b>	2.000
			12	<b>PM-01</b>	<b>50112-HF</b>	1.000
			15	<b>PM-01</b>	<b>50122-HF</b>	1.000
	3,4 ÷ 4,3	2,5 ÷ 4	10	<b>PM-02</b>	<b>50202-HF</b>	1.000
			12	<b>PM-02</b>	<b>50212-HF</b>	1.000
			15	<b>PM-02</b>	<b>50222-HF</b>	1.000
	4 ÷ 6,3	4 ÷ 10	10	<b>PM-03</b>	<b>50302-HF</b>	1.000
			12	<b>PM-03</b>	<b>50312-HF</b>	500
			15	<b>PM-03</b>	<b>50322-HF</b>	500

It is advisable to select the holder size based on the actual external diameter of the cable rather than its indicative c.s.a, due to variations in insulation thickness and conductor format.

Consult us for holders in other lengths.

**Use holders only with designated cable tags of the same length.**



cable tags, 4 mm MG-TPM.....	page 13
markers PMP-30.....	page 72

## Transparent tag holders - Light

for cable tags 4 mm

PM-L holders are thinner than PM versions and specifically designed to accommodate pairs of appropriately sized cables.

**Material:** plasticised PVC, self extinguishing to class VO: UL 94, free of Cadmium, Lead, Silicon and Teflon. Resistant to Alkali, Alcohol, Acid and many Solvents.

**Operating temperature range:** -40°C (-40°F) to +80°C (+176°F)

PM-L



Cable ext. Ø range mm	Single cable c.s.a range mm <sup>2</sup>	Double-cable c.s.a range mm <sup>2</sup>	Length mm	Quantity	
2,1 ÷ 3,5	0,5 ÷ 2,5	0,25 ÷ 0,75	10	PM-01L 10100	6.000
			12	PM-01L 10110	5.000
			15	PM-01L 10120	4.000
			18	PM-01L 10130	3.000
			21	PM-01L 10140	3.000
			23	PM-01L 10150	2.000
			27	PM-01L 10160	2.000
			30	PM-01L 10170	1.000
			1.000	PM-01L 10180	10
			2,6 ÷ 4,2	1 ÷ 4	0,5 ÷ 1
12	PM-02L 10210	4.000			
15	PM-02L 10220	3.000			
18	PM-02L 10230	2.000			
21	PM-02L 10240	2.000			
23	PM-02L 10250	2.000			
27	PM-02L 10260	1.000			
30	PM-02L 10270	1.000			
1.000	PM-02L 10280	10			

cable tags, 4 mm MG-TPM ..... page 13  
 markers PMP-30 ..... page 72



It is advisable to select the holder size based on the actual external diameter of the cable rather than its indicative c.s.a, due to variations in insulation thickness and conductor format.

Consult us for holders in other lengths.

**Use holders only with designated cable tags of the same length.**

# PMF-AC

## ACCESSORIES

### Self adhesive transparent flat tag holders

for serie flat cable tags 4 mm

Self adhesive tag holders for surface mounting.



**Material:** plasticised PVC, self extinguishing to class V0: UL 94, free of Cadmium, Lead, Silicon and Teflon. Resistant to Alkali, Alcohol, Acid and many Solvents.

**Operating temperature range:** -40°C (-40°F) to +80°C (+176°F)

plasticised  
**PVC** -40°C +80°C

**UL94**  
**VO** RoHS COMPLIANT 2011/65/EU

	self adhesive	Length mm		Quantity
	✓	10	<b>66000N</b>	5.000
	✓	12	<b>66010N</b>	4.000
	✓	15	<b>66020N</b>	4.000
	✓	20	<b>66040N</b>	4.000
	✓	30	<b>66070N</b>	2.000
	✓	40	<b>66090N</b>	1.000

It is advisable to select the holder size based on the actual external diameter of the cable rather than its indicative c.s.a, due to variations in insulation thickness and conductor format.

Consult us for holders in other lengths.

**Use holders only with designated cable tags of the same length.**



flat cable tags, 4 mm MG-TPMF ..... page 12  
flat cable tags, 4 mm TPM-ROLL ..... page 51

**Transparent flat tag holders tie-on**

for serie flat cable tags 4 mm

Tie on (tie width max 6 mm) for longitudinal mounting on cables, hoses, tubes and conduit

**Material:** plasticised PVC, self extinguishing to class VO: UL 94, free of Cadmium, Lead, Silicon and Teflon. Resistant to Alkali, Alcohol, Acid and many Solvents.

**Operating temperature range:** -40°C (-40°F) to +80°C (+176°F)

PMF-ET



	Length mm		Tie: N° x width mm	Quantity
	15	<b>63020</b>	1 x 6 mm	2.000
	20	<b>63040</b>	1 x 6 mm	1.000
	30	<b>63070</b>	1 x 6 mm	1.000
	40	<b>63090</b>	2 x 6 mm	500

flat cable tags, 4 mm MG-TPMF.....	page 12
flat cable tags, 4 mm TPM-ROLL.....	page 51
cable ties.....	page 114

It is advisable to select the holder size based on the actual external diameter of the cable rather than its indicative c.s.a, due to variations in insulation thickness and conductor format.

Consult us for holders in other lengths.

**Use holders only with designated cable tags of the same length.**

# PM-AC



## ACCESSORIES

### Self adhesive transparent tag holders

for cable tags 4 mm

Self adhesive tag holders for surface mounting.

**Material:** plasticised PVC, self extinguishing to class V0: UL 94, free of Cadmium, Lead, Silicon and Teflon.

Resistant to Alkali, Alcohol, Acid and many Solvents.

**Operating temperature range:** -40°C (-40°F) to +80°C (+176°F)



	self adhesive	Length mm		Quantity
	✓	10	<b>51000N</b>	5.000
	✓	12	<b>51010N</b>	4.000
	✓	15	<b>51020N</b>	4.000
	✓	18	<b>51030N</b>	3.000
	✓	21	<b>51040N</b>	2.000
	✓	23	<b>51050N</b>	2.000
	✓	27	<b>51060N</b>	2.000
	✓	30	<b>51070N</b>	2.000
	✓	1.000	<b>51080N</b>	10

It is advisable to select the holder size based on the actual external diameter of the cable rather than its indicative c.s.a, due to variations in insulation thickness and conductor format.

Consult us for holders in other lengths.

**Use holders only with designated cable tags of the same length.**



cable tags, 4 mm MG-TPM.....	page 13
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### Transparent tag holders tie-on

for cable tags 4 mm

Tie on (tie width max 6 mm) for longitudinal mounting on cables, hoses, tubes and conduit.

**Material:** plasticised PVC, self extinguishing to class VO: UL 94, free of Cadmium, Lead, Silicon and Teflon. Resistant to Alkali, Alcohol, Acid and many Solvents.

**Operating temperature range:** -40°C (-40°F) to +80°C (+176°F)

PM-ET



Length mm		Tie: N° x width mm	Quantity
12	<b>53010</b>	1 x 6 mm	2.000
15	<b>53020</b>	1 x 6 mm	2.000
18	<b>53030</b>	1 x 6 mm	1.000
21	<b>53040</b>	1 x 6 mm	1.000
23	<b>53050</b>	1 x 6 mm	1.000
27	<b>53060</b>	1 x 6 mm	1.000
30	<b>53070</b>	1 x 6 mm	1.000
40	<b>53090</b>	2 x 6 mm	500



It is advisable to select the holder size based on the actual external diameter of the cable rather than its indicative c.s.a, due to variations in insulation thickness and conductor format.

Consult us for holders in other lengths.

**Use holders only with designated cable tags of the same length.**

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 cable ties ..... page 114



# PM-DT

## ACCESSORIES

### Transparent tag holders tie-on

for cable tags 4 mm

Tie on (tie width max 6 mm) for longitudinal mounting on cables, hoses, tubes and conduit.



**Material:** plasticised PVC, self extinguishing to class VO: UL 94, free of Cadmium, Lead, Silicon and Teflon.  
Resistant to Alkali, Alcohol, Acid and many Solvents.

**Operating temperature range:** -40°C (-40°F) to +80°C (+176°F)



Length mm		Tie: N° x width mm	Quantity
10	<b>55000</b>	1 x 4 mm	7.000
12	<b>55010</b>	1 x 4 mm	6.000
15	<b>55020</b>	1 x 4 mm	5.000
18	<b>55030</b>	1 x 4 mm	3.000
21	<b>55040</b>	1 x 4 mm	3.000
23	<b>55050</b>	1 x 4 mm	3.000
27	<b>55060</b>	1 x 4 mm	2.000
30	<b>55070</b>	1 x 4 mm	2.000
1000	<b>55080</b>	1 x 4 mm	10



It is advisable to select the holder size based on the actual external diameter of the cable rather than its indicative c.s.a, due to variations in insulation thickness and conductor format.

Consult us for holders in other lengths.

**Use holders only with designated cable tags of the same length.**



cable tags, 4 mm MG-TPM .....	page 12
cable ties .....	page 114



## Self adhesive transparent legend holders 9 & 15 mm

for cable tags 9 & 15 mm

Self adhesive for surface mounting of 9 & 15 mm legends.



**Material:** plasticised PVC, self extinguishing to class V0: UL 94, free of Cadmium, Lead, Silicon and Teflon.

Resistant to Alkali, Alcohol, Acid and many Solvents.

**Operating temperature range:** -40°C (-40°F) to +80°C (+176°F)

PMT-AC



	self adhesive	Length mm		For tags mm	Quantity
	✓	20	<b>59042N</b>	9	500
	✓	35	<b>59050N</b>	9	500
	✓	1.000	<b>59070N</b>	9	10
	✓	17	<b>59002N</b>	15	500
	✓	27	<b>59010N</b>	15	1.000
	✓	49	<b>59020N</b>	15	500
	✓	67	<b>59030N</b>	15	250
	✓	1.000	<b>59060N</b>	15	10

cable tags, 15 mm MG-TAP.....page 23  
 cable tags, 9 mm MG-TAPW.....page 26



It is advisable to select the holder size based on the actual external diameter of the cable rather than its indicative c.s.a, due to variations in insulation thickness and conductor format.

Consult us for holders in other lengths.

**Use holders only with designated cable tags of the same length.**

# PMT-ET



## ACCESSORIES

### Transparent legend holders tie-on 9 & 15 mm










for cable tags 9 & 15 mm

Tie on (tie width max 6 mm) for longitudinal mounting on cables, hoses, tubes and conduit.

**Material:** plasticised PVC, self extinguishing to class VO: UL 94, free of Cadmium, Lead, Silicon and Teflon. Resistant to Alkali, Alcohol, Acid and many Solvents.

**Operating temperature range:** -40°C (-40°F) to +80°C (+176°F)



	Length mm	For tags mm			Tie: N° x width mm	Quantity
	20	9	PMT-ET	<b>54040</b>	1 x 6 mm	1.000
	35	9	PMT-ET	<b>54050</b>	2 x 6 mm	500
	17	15	PMT-ET	<b>54000</b>	1 x 6 mm	500
	27	15	PMT-ET	<b>54010</b>	1 x 6 mm	500
	49	15	PMT-ET	<b>54020</b>	2 x 6 mm	250
	67	15	PMT-ET	<b>54030</b>	2 x 6 mm	250
	40	9	PMT-CT	<b>54015</b>	2 x 4,8 mm	500
	55	9	PMT-CT	<b>54013</b>	2 x 4,8 mm	500
	90	9	PMT-CT	<b>54014</b>	2 x 4,8 mm	250

It is advisable to select the holder size based on the actual external diameter of the cable rather than its indicative c.s.a, due to variations in insulation thickness and conductor format.

Consult us for holders in other lengths.

**Use holders only with designated cable tags of the same length.**



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cable tags, 9 mm MG-TAPW.....	page 26
cable ties.....	page 114

## Transparent legend holders tie-on 9 & 15 mm

for cable tags 9 & 15 mm

Tie on (tie width max 6 mm) for longitudinal mounting on cables, hoses, tubes and conduit.

**Material:** plasticised PVC, self extinguishing to class VO: UL 94, free of Cadmium, Lead, Silicon and Teflon.  
Resistant to Alkali, Alcohol, Acid and many Solvents.

**Operating temperature range:** -40°C (-40°F) to +80°C (+176°F)

# PMT-DT



	Length mm	For tags mm		Tie: N° x width mm	Quantity
	20	9	<b>60042</b>	1 x 8,5 mm	500
	35	9	<b>60050</b>	1 x 8,5 mm	1.000
	1.000	9	<b>60070</b>	1 x 8,5 mm	10
	17	15	<b>60002</b>	1 x 14,5 mm	500
	27	15	<b>60012</b>	1 x 14,5 mm	500
	49	15	<b>60020</b>	1 x 14,5 mm	250
	67	15	<b>60030</b>	1 x 14,5 mm	500
	1.000	15	<b>60060</b>	1 x 14,5 mm	10

cable tags, 15 mm MG-TAP.....	page 23
cable tags, 9 mm MG-TAPW.....	page 26
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It is advisable to select the holder size based on the actual external diameter of the cable rather than its indicative c.s.a, due to variations in insulation thickness and conductor format.

Consult us for holders in other lengths.

**Use holders only with designated cable tags of the same length.**

# Serie G



## ACCESSORIES

### Polyamide PA6.6 Cable ties

Ideal for securing tie-on tags, labels and holders to electrical wiring, pipes and conduit. Black ties have a higher UV resistance due to increased Carbon black loading. G series ties offer rapid installation due to the low friction coefficient of the material and have an angled tongue to facilitate easy introduction into the buckle. Rounded corners for increased safety.

**Material:** PA6.6 Polyamide, self extinguishing to class V2: UL 94

**Humidity absorption:** 2.5% (at 50% relative humidity)

Resistant to Oils, Bases, Greases, Oil products, chlorinated Solvents.

**Operating temperature range:**

-40°C (-40°F) to +85°C (+185°F) (continuous)

-40°C (-40°F) to +120°C (+248°F) (short periods)

PA6.6 -40°C +85°C

UL94 V2 RoHS COMPLIANT 2011/65/EU

Length mm	Height mm	natural	black	Ø max. bundle mm	Min. loop tensile strength kg	Minimum order pcs.	Quantity
80	2,4	G80X2.4	G80X2.4N	15	8	1.000	100
80	2,4	G80X2.4/M	G80X2.4N/M	15	8	1.000	1.000
90	2,4	G90X2.4	G90X2.4N	16	8	1.000	100
100	2,5	G100X2.5	G100X2.5N	22	8	1.000	100
100	2,5	G100X2.5/M	G100X2.5N/M	22	8	1.000	1.000
120	2,5	G120X2.5	G120X2.5N	30	8	1.000	100
140	2,5	G140X2.5	G140X2.5N	33	8	1.000	100
140	2,5	G140X2.5/M	G140X2.5N/M	33	8	1.000	1.000
160	2,5	G160X2.5	G160X2.5N	40	8	1.000	100
160	2,5	G160X2.5/M	G160X2.5N/M	40	8	1.000	1.000
200	2,5	G200X2.5	G200X2.5N	53	8	1.000	100
200	2,5	G200X2.5/M	G200X2.5N/M	53	8	1.000	1.000
250	2,8	G250X2.8	G250X2.8N	65	14	1.000	100
300	2,8	G300X2.8	G300X2.8N	76	14	1.000	100
120	3,6	G120X3.6	G120X3.6N	30	18	1.000	100
140	3,6	G140X3.6	G140X3.6N	33	18	1.000	100
140	3,6	G140X3.6/M	G140X3.6N/M	33	18	1.000	1.000
150	3,6	G150X3.6	G150X3.6N	35	18	1.000	100
180	3,6	G180X3.6	G180X3.6N	44	18	1.000	100
200	3,6	G200X3.6	G200X3.6N	53	18	1.000	100
200	3,6	G200X3.6/M	G200X3.6N/M	53	18	1.000	1.000
250	3,6	G250X3.6	G250X3.6N	65	18	1.000	100
300	3,6	G300X3.6	G300X3.6N	76	18	1.000	100
300	3,6	G300X3.6/M	G300X3.6N/M	76	18	1.000	1.000
370	3,6	G370X3.6	G370X3.6N	102	18	1.000	100
120	4,8	G120X4.8	G120X4.8N	24	22	1.000	100
160	4,8	G160X4.8	G160X4.8N	38	22	1.000	100
190	4,8	G190X4.8	G190X4.8N	46	22	1.000	100

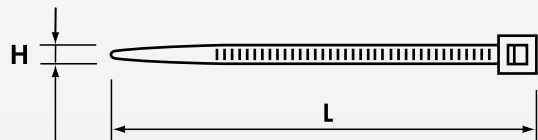
Polyamide PA6.6 Cable ties



Length mm	Height mm	natural	black	Ø max. bundle mm	Min. loop tensile strength kg	Minimum order pcs.	Quantity
190	4,8	G190X4.8/M	G190X4.8N/M	46	22	1.000	1.000
200	4,8	G200X4.8	G200X4.8N	50	22	1.000	100
200	4,8	G200X4.8/M	G200X4.8N/M	50	22	1.000	1.000
250	4,8	G250X4.8/M	G250X4.8N/M	60	22	1.000	1.000
250	4,8	G250X4.8	G250X4.8N	60	22	100	100
280	4,8	G280X4.8	G280X4.8N	70	22	100	100
300	4,8	G300X4.8	G300X4.8N	76	22	100	100
370	4,8	G370X4.8	G370X4.8N	102	22	100	100
390	4,8	G390X4.8	G390X4.8N	105	22	100	100
430	4,8	G430X4.8	G430X4.8N	110	22	100	100
450	4,8	G450X4.8	G450X4.8N	116	22	100	100
530	4,8	G530X4.8	G530X4.8N	140	22	100	100
150	7,6	G150X7.6	G150X7.6N	33	55	100	100
200	7,6	G200X7.6	G200X7.6N	50	55	100	100
250	7,6	G250X7.6	G250X7.6N	65	55	100	100
300	7,6	G300X7.6	G300X7.6N	76	55	100	100
370	7,6	G370X7.6	G370X7.6N	102	55	100	100
430	7,6	G430X7.6	G430X7.6N	125	55	100	100
530	7,6	G530X7.6	G530X7.6N	140	55	100	100
430	9	G430X9.0	G430X9.0N	110	80	100	100
530	9	G530X9.0	G530X9.0N	140	80	100	100
710	9	G710X9.0	G710X9.0N	190	80	100	100
780	9	G780X9.0	G780X9.0N	228	80	100	100
830	9	G830X9.0	G830X9.0N	239	80	100	100
920	9	G920X9.0	G920X9.0N	263	80	100	100
1020	9	G1020X9.0	G1020X9.0N	295	80	100	100
1220	9	G1220X9.0	G1220X9.0N	365	80	100	100
230	12,6	G230X12.6	G230X12.6N	50	115	100	100
380	12,6	G380X12.6	G380X12.6N	106	115	100	100
480	12,6	G480X12.6	G480X12.6N	120	115	100	100
580	12,6	G580X12.6	G580X12.6N	152	115	100	100
730	12,6	G730X12.6	G730X12.6N	204	115	100	100
880	12,6	G880X12.6	G880X12.6N	248	115	100	100
1030	12,6	G1030X12.6	G1030X12.6N	295	115	100	100

Check max tie width (dimension H) for the tag or holder used

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# Serie GVO

## ACCESSORIES

### Polyamide PA6.6 Cable ties (V0:UL94)



Ideal for securing tie on tags, labels and holders to electrical wiring, pipes and conduit. Black ties have a higher UV resistance due to increased Carbon black loading. G series ties offer rapid installation due to the low friction coefficient of the material and have an angled tongue to facilitate easy introduction into the buckle. Rounded corners for increased safety.

**Material:** PA6.6 Polyamide, self extinguishing to class V0: UL 94

**Humidity absorption:** 2.5% (at 50% relative humidity)

Resistant to Oils, Bases, Greases, Oil products, chlorinated Solvents.

**Operating temperature range:**

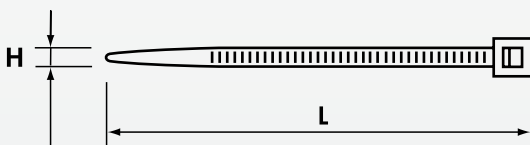
-40°C (-40°F) to +85°C (+185°F) (continuous)

-40°C (-40°F) to +120°C (+248°F) (short periods)

PA6.6 -40°C +85°C



Length mm	Height mm	natural	Ø max. bundle mm	Min. loop tensile strength kg	Minimum order pcs.	Quantity
90	2,4	G90X2.4 V0	16	8	1.000	100
100	2,5	G100X2.5/M V0	22	8	1.000	1.000
140	2,5	G140X2.5/M V0	33	8	1.000	1.000
200	2,5	G200X2.5/M V0	53	8	1.000	1.000
150	3,6	G150X3.6 V0	35	18	1.000	100
200	4,8	G200X4.8/M V0	50	22	1.000	1.000
370	4,8	G370X4.8 V0	102	22	100	100
430	4,8	G430X4.8 V0	110	22	100	100
710	9	G710X9.0 V0	190	80	100	100



Check max tie width (dimension H) for the tag or holder used

cable&conduit tags MG-ETF.....	page 16
dog tags MG-DOG.....	page 28
cable&conduit tags ETF-ROLL.....	page 52
cable&conduit tags MS-ETF.....	page 81
transparent flat tag holders, 4 mm.....	page 107
transparent tag holders, 4 mm.....	page 109
transparent legend holders, 15 & 9 mm.....	page 112

## Polyamide PA6.6 Cable ties

Ideal for securing tie on tags, labels and holders to electrical wiring, pipes and conduit. Black ties have a higher UV resistance due to increased Carbon black loading. G series ties offer rapid installation due to the low friction coefficient of the material and have an angled tongue to facilitate easy introduction into the buckle. Rounded corners for increased safety. Quick and easy identification of bundled conductors. May also be marked with MG-VYT adhesive PVC film labels.

**Material:** PA6.6 Polyamide, self extinguishing to class V2: UL 94

**Humidity absorption:** 2.5% (at 50% relative humidity) Resistant to Oils, Bases, Greases, Oil products, chlorinated Solvents.

**Operating temperature range:**

-40°C (-40°F) to +85°C (+185°F) (continuous)

-40°C (-40°F) to +120°C (+248°F) (short periods)



Length mm	Height mm	natural	Ø max. bundle mm	Min. loop tensile strength kg	Quantity
100	2,5	GFH100X2.5	18	8,1	100
112	2,5	GFHT112X2.5	18	8,1	100



### Installation tools

for Plastic cable ties

Code		Length mm	Weight kg	Cable tie width mm	Quantity
5313022048	automatic cutting	165	0,2	2.2 bis 4.8	1
5523036090	manual cutting	195	0,3	4.8 bis 9	1



Check max tie width (dimension H) for the tag or holder used  
Directly on suitable surface



Labels MG-VYT 8x21 & 9x20 mm ..... page 30

# Serie G FH

# Serie GX



## ACCESSORIES

### Stainless Steel INOX AISI 304 cable ties

Unique ball locking mechanism that allows simple and rapid installation and secure locking.

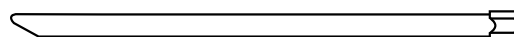
High tensile strength.

Nonflammability.

**Material:** Stainless Steel AISI 304

High resistance to Acetic Acid, Alkalies, Sulphuric Acid, Corrosion, etc. In general very resistant to most hostile environments.

**Operating temperature range:** -80°C (-112°F) to +500°C (+932°F)



Length mm	Height mm	metallic	Ø max. bundle mm	Min. loop tensile strength kg	Quantity
200	4,5	GX200X4.5	50	46	100
300	4,5	GX300X4.5	76	46	100
370	4,5	GX370X4.5	102	46	100
520	4,5	GX520X4.5	156	46	100
370	7,9	GX370X7.9	102	114	100
680	7,9	GX680X7.9	207	114	100
1020	7,9	GX1020X7.9	312	114	100



### Installation tool

for Stainless Steel cable ties

Type 5527030079

Width up to 7,9 mm

With cutting device

Weight: 0,56 kg

Length: 180 mm



Check max tie width (dimension H) for the tag or holder used

Aluminium plates GMC-AL ..... page 61  
Stainless Steel tie-on tags SMP ..... page 70



## Push button legend bases

for Ø 22,5mm manual operators

Ø 22.5mm push button legend bases to fit a wide range of popular brands. Type PTPO without locators may offer a higher level of ingress protection depending upon installation method.

All types have a hole behind the legend for rivet fixing, while PTP...A types are adhesive backed.

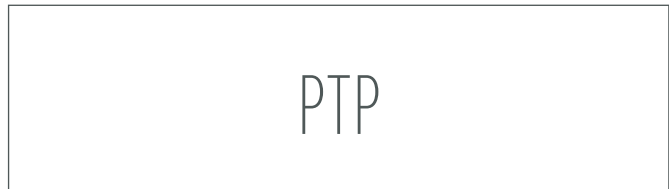
All types suit MG-TAP 15x27 mm legends and can be fitted with a transparent legend cover TAP-CCS 990521 or MG-TAP-CCS 990510

**Material:** Polycarbonate, self extinguishing to class V0: UL 94

### Operating temperature range:

-40°C (-40°F) to +115°C (+239°F) (continuous)

-40°C (-40°F) to +130°C (+266°F) (short periods)



PC 40°C 115°C

UL94 V0 RoHS COMPLIANT 2011/65/EU

Size mm	Size mm	self adhesive	rivet fixing	Application	black	Quantity
	48 x 30		✓	PTPS-22	34002	100
	48 x 30	✓	✓	PTPSA-22	34602	100
	48 x 30			Schneider Electric PTPS-24	68002	100
	48 x 30	✓		Schneider Electric PTPSA-24	68602	100
	48 x 30			PTPO-22	34802	100
	48 x 30	✓		PTPOA-22	34902	100
	48 x 30		✓	PTPR-22	34102	100
	48 x 30	✓	✓	PTPRA-22	34702	100



SELF ADHESIVE



RIVET FIXING

legends 15x27 mm MG-TAP..... page 23  
 covers MG-TAP-CCS..... page 24  
 cable ties ..... page 114  
 cover TAP-CCS ..... page 121



PL



## ACCESSORIES

### Legend bases

*for general purpose applications*

PLR legend bases may be fixed to flat surfaces by rivet or in some sizes, by cable tie to tubes, conduits, etc.

PLA versions are self adhesive. TAP-CCS transparent covers may be fitted to protect the legends.

**Material:** Polycarbonate, self extinguishing to class V0: UL 94

#### Operating temperature range:

-40°C (-40°F) to +115°C (+239°F) (continuous)

-40°C (-40°F) to +130°C (+266°F) (short periods)

PC - +  
40°C 115°C

**UL94**  
**VO** **RoHS**  
COMPLIANT  
2011/65/EU

Size mm	self adhesive	rivet fixing	Hole spacing mm		black	For MG-TAP size mm	Quantity
17 x 20		✓		PLR	<b>34202</b>	15 x 17	100
17 x 30		✓		PLR	<b>34302</b>	15 x 27	100
17 x 52		✓	41	PLR	<b>34402</b>	15 x 49	100
17 x 70		✓	51	PLR	<b>34502</b>	15 x 67	100
17 x 20	✓			PLA	<b>35002N</b>	15 x 17	100
17 x 30	✓			PLA	<b>35102N</b>	15 x 27	100
17 x 52	✓		41	PLA	<b>35202N</b>	15 x 49	100
17 x 70	✓		51	PLA	<b>35302N</b>	15 x 67	100



SELF ADHESIVE



RIVET FIXING



legends, 15 mm MG-TAP .....	page 23
covers MG-TAP-CCS.....	page 24
cable ties .....	page 114
covers TAP-CCS.....	page 121

**Transparent covers**

For fitting over MG-TAP legends in bases PL and PTP to optimise protection and improve life expectancy.

**Material:** Polycarbonate, self extinguishing to class V0: UL 94

**Operating temperature range:**

-40°C (-40°F) to +115°C (+239°F) (continuous)

-40°C (-40°F) to +130°C (+266°F) (short periods)

TAP-CCS



PC -40°C +115°C

UL94 V0 RoHS COMPLIANT 2011/65/EU

Size mm	transparent	Quantity
15 x 17	990520	540
15 x 27	990521	360
15 x 49	990522	180
15 x 67	990523	90



push button legend bases PTP..... page 119  
 legend bases PL..... page 120  
 legends rails RT..... page 122

# RT-TAP



## ACCESSORIES

### Legend rail, 15 mm

Legend rails provide an alternative to direct marking on components.

**Material:** Rigid dielectric high impact PVC.

Lead free, self extinguishing to class V0: UL 94, resistant to Acid, Alcohol, Solvents.

Non-deformable up to +90°C

**Application temperature range:** +10°C to +40°C



self adhesive	pre-drilled	Length mm		black	grey	Quantity
	✓	430	RTR-TAP	<b>990454</b>	990452	25
	✓	650	RTR-TAP	<b>990664</b>	990662	25
	✓	1.000	RTR-TAP	<b>990524</b>	990502	25
✓		430	RTA-TAP	<b>990455N</b>	990453N	25
✓		650	RTA-TAP	<b>990665N</b>	990663N	25
✓		1.000	RTA-TAP	<b>990525N</b>	990503N	25



### Protective covers, 15 mm

Length mm		Code	Quantity
430	RT-CCP	<b>990456</b>	25
650	RT-CCP	<b>990666</b>	25
1.000	RT-CCP	<b>990504</b>	25

### Protective strip, 15 mm

Length mm		Code	Quantity
430	RT-CCPS	<b>990457</b>	25
650	RT-CCPS	<b>990667</b>	25
1.000	RT-CCPS	<b>990735</b>	25



legends, 15 mm MG-TAP .....	page 23
modular legends MG-17.5-R .....	page 35
modular legend strips STRIP-ROLL .....	page 56

## Legend rail, 9 mm

Legend rails provide an alternative to direct marking on components.

**Material:** Rigid dielectric high impact PVC.

Lead free, self extinguishing to class V0: UL 94, resistant to Acid, Alcohol, Solvents.

Non-deformable up to +90°C

**Application temperature range:** +10°C to +40°C



# RT-TAPW



self adhesive	pre-drilled	Length mm		black	grey	Quantity
	✓	430	RTR-TAPW	990654	990652	25
	✓	650	RTR-TAPW	990794	990792	25
	✓	1.000	RTR-TAPW	990526	990505	25
✓		430	RTA-TAPW	990655N	990653N	25
✓		650	RTA-TAPW	990795N	990793N	25
✓		1.000	RTA-TAPW	990527N	990506N	25

## Protective covers, 9 mm

Length mm		Code	Quantity
430	RT-CCW	990656	25
650	RT-CCW	990796	25
1.000	RT-CCW	990507	25



## Protective strip, 9 mm

Length mm		Code	Quantity
430	RT-CCWS	990657	25
650	RT-CCWS	990797	25
1.000	RT-CCWS	990734	25



legends, 9 mm MG-TAPW ..... page 26  
 modular legend strips TAR-ROLL ..... page 53

# CPT



## ACCESSORIES

### Transparent covers

for panel plates

For fitting over MG-VRT plates to optimise protection and improve life expectancy.

**Material:** Polycarbonate, self extinguishing to class: V0 (UL 94)

**Operating temperature range:**

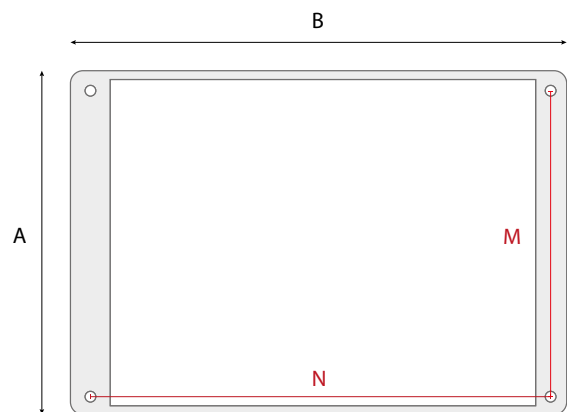
-40°C (-40°F) to +115°C (+239°F) (continuous)

-40°C (-40°F) to +130°C (+266°F) (short periods)

PC -40°C +115°C

UL94 V0 RoHS COMPLIANT 2011/65/EU

Size AxB mm	Thickness mm	transparent	Ø holes mm	Holes spacing mm		Panel plate size mm	Quantity
				M	N		
37 x 79	4,2	47590	3	27	69	32 x 58	10
47 x 98	4,2	47591	3	37	89	42 x 78	10
57 x 127	4,2	47592	3	47	117	52 x 107	10
67 x 109	4,2	47594	3	57	99	62 x 88	10
97 x 140	4,2	47593	3	87	129	92 x 118	10
108 x 160	4,2	47595	3	97	149	102 x 138	10



panel plates MG-VRT ..... page 40

**Document holder**

*adhesive and rivet fixing*

TPD document holder provides a convenient means of filing wiring schemes, operating manuals, etc in electrical panels or equipment.

**Material:** Antishock Polystyrene

TPD



PS

Size Axl. mm	Depth mm	Code	Sheet size	Quantity
193 x 175	20	420180	A5	5
235 x 280	40	420280	A4	5



Directly on panel



WS



## Labels

### Warning signs

PVC film, on sheet, relevant standard ISO 3864-2

Consist of WS symbols supplemented by information in text form, or text only signs which can be used in combination with symbol only signs.

Available in different graphic modes and formats, for marking equipment, machinery and installations in a detailed and efficient way.

**Material:** Soft PVC film VY278, thickness approximately 0,1 mm. Resistant to Water, Oil, Grease, Alcohol, Detergent, Alkaline Substances and Atmospheric Agents. Low flammability, self extinguishing. Recommended for application to equipment for internal or external use, but not directly exposed to atmospheric agents. If exposed to atmospheric agents, the life of the label may be limited to five years.

**Application temperature range:** -30°C (-22°F) to +80°C (+158°F)

0.1 mm  
PVC 30°C 80°C

UL94  
VO  
RoHS  
COMPLIANT  
2011/65/EU

Size mm	Labels per sheet	Code	Quantity		
<b>Generic hazard</b>					
12,5	64	WS-AD 200000	320		
	323	WS-AD 200000-BULK	1.615		
25	24	WS-AD 200001	240		
	120	WS-AD 200001-BULK	1.200		
50	10	WS-AD 200002	50		
	30	WS-AD 200002-BULK	900		
100	2	WS-AD 200003	10		
	6	WS-AD 200003-BULK	300		
<b>DANGER!</b>					
50	5	WST-TSW 0400-AD035-GB	25		
<b>WARNING! DANGER</b>					
37 x 74	3	WST-LAY 2653AD035-GB	15		
65 x 131	1	WST-LAY 2655AD035-GB	10		
<b>Electrical hazard</b>					
12,5	64	WS-HT 200100	320		
	323	WS-HT 200100-BULK	1.615		
25	24	WS-HT 200101	240		
	120	WS-HT 200101-BULK	1.200		
50	10	WS-HT 200102	50		
	30	WS-HT 200102-BULK	900		
100	2	WS-HT 200103	10		
	6	WS-HT 200103-BULK	450		
150	2	WS-HT 200104	10		
<b>110 V</b>					
50	5	WST-TSW 0400HT008	25		
	25	WST-TSW 0400HT008-BULK	750		
<b>230 V</b>					
50	5	WST-TSW 0400HT012	25		
	25	WST-TSW 0400HT012-BULK	750		

Size mm	Labels per sheet	Code	Quantity	
<b>400 V</b>				
50	5	WST-TSW 0400HT015	25	
	25	WST-TSW 0400HT015-BULK	750	
<b>High voltage</b>				
50	5	WST-TSW 0400HT024-GB	25	
<b>Electrical discharges</b>				
50	5	WST-TSW 0400HT056-GB	25	
<b>DANGER!</b>				
50	5	WST-TSW 0400HT066-GB	25	
<b>WARNING! High voltage</b>				
37 x 74	3	WST-LAY 2653HT024-GB	15	
65 x 131	1	WST-LAY 2655HT024-GB	10	
<b>WARNING! Equipment remains live even when switched off</b>				
37 x 74	3	WST-LAY 2653HT039-GB	15	
65 x 131	1	WST-LAY 2655HT039-GB	10	
<b>WARNING! Always live</b>				
37 x 74	3	WST-LAY 2653HT051-GB	15	
65 x 131	1	WST-LAY 2655HT051-GB	10	
<b>WARNING! Switch power off before opening the door</b>				
37 x 74	3	WST-LAY 2653HT052-GB	15	
	34	WST-LAY 2653HT052-GB-BULK	1.020	
65 x 131	1	WST-LAY 2655HT052-GB	10	
<b>WARNING! Electrical discharges</b>				
37 x 74	3	WST-LAY 2653HT056-GB	15	
65 x 131	1	WST-LAY 2655HT056-GB	10	
<b>WARNING! Equipment remains live even when door is open</b>				
37 x 74	3	WST-LAY 2653HT061-GB	15	
65 x 131	1	WST-LAY 2655HT061-GB	10	



## Labels



Triangular symbol with black border and pictogram on yellow background.

Used to indicate situations where care and attention are required.

WS



Size mm	Labels per sheet	Code	Quantity		
WARNING! Switch off power before removing cover					
37 x 74	3	WST-LAY 2653HT072-GB	15		
65 x 131	1	WST-LAY 2655HT072-GB	10		
WARNING! Switch off power before removing the guard					
37 x 74	3	WST-LAY 2653HT081-GB	15		
65 x 131	1	WST-LAY 2655HT081-GB	10		
37 x 18	7	WS-HTPT 204000	35		
	60	WS-HTPT 204000-BULK	1.080		
52 x 26	5	WS-HTPT 204001	25		
	27	WS-HTPT 204001-BULK	810		
74 x 37	3	WS-HTPT 204002	15		
	12	WS-HTPT 204002-BULK	1.020		
105 x 52	1	WS-HTPT 204003	10		
	6	WS-HTPT 204003-BULK	300		
230 V					
52 x 26	5	WST-HTPT 204101-HT012	25		
	27	WST-HTPT 204101-HT012-BULK	810		
74 x 37	3	WST-HTPT 204102-HT012	15		
	12	WST-HTPT 204102-HT012-BULK	1.020		
105 x 52	1	WST-HTPT 204103-HT012	10		
	6	WST-HTPT 204103-HT012-BULK	300		
400 V					
52 x 26	5	WST-HTPT 204101-HT015	25		
	27	WST-HTPT 204101-HT015-BULK	810		
74 x 37	3	WST-HTPT 204102-HT015	15		
	12	WST-HTPT 204102-HT015-BULK	1.020		
105 x 52	1	WST-HTPT 204103-HT015	10		
	6	WST-HTPT 204103-HT015-BULK	300		
40 x 150	2	WST-OTW 1412-HT006	10		
40 x 150	2	WST-OTW 1412-HT008	10		
40 x 150	2	WST-OTW 1412-HT009	10		
40 x 150	2	WST-OTW 1412-HT012	10		
40 x 150	2	WST-OTW 1412-HT015	10		
40 x 150	2	WST-OTW 1412-HT016	10		
<b>Electrical hazard</b>			<b>SOLAR POWER</b>		
PV ARRAY MODULE DANGER contains live parts during daylight					
80 x 50		WST-PSY 3460-PV009-GB	90		
INVERTER Isolate AC and DC before carrying out work					
80 x 50		WST-PSY 3460-HT129-GB	90		







Size mm	Labels per sheet	Code	Quantity	
PV ARRAY DC JUNCTION BOX DANGER contains live parts during daylight				
80 x 50		WST-PSY 3460-PV010-GB	90	
PV SYSTEM Main AC isolator				
80 x 50		WST-PSY 3460-PV011-GB	90	
DO NOT disconnect DC plugs and sockets under load Turn off AC supply first				
80 x 50		WST-PSY 3460-PV011-GB	90	
DC CABLE DANGER High Voltage				
80 x 50		WST-PSY 3460-HT131-GB	90	
PV ARRAY DC ISOLATOR DANGER contains live parts during daylight				
80 x 50		WST-PSY 3460-PV012-GB	90	
PV ARRAY MODULE DANGER contains live parts during daylight				
80 x 50		WST-PSY 3460-PV013-GB	90	
WARNING Dual supply				
40 x 100	12	VS-I20 2612000-GB	120	
<b>Batteries</b>				
25	24	WS-BA 200201	240	
50	10	WS-BA 200202	50	
Dangerous acids				
37 x 74	3	WST-LAY 2453-BA004-GB	15	
65 x 131	1	WST-LAY 2455-BA004-GB	10	
<b>Explosive atmosphere</b>				
25	24	WS-EX 200301-GB	240	
50	10	WS-EX 200302-GB	50	
Explosive atmosphere				
37 x 74	3	WST-LSY 2453-EX001	15	
65 x 131	1	WST-LSY 2455-EX001	10	





# WS

## Labels

0.1 mm  
**PVC** **30°C** **80°C**

**UL94**  
**VO** **RoHS**  
 COMPLIANT  
 2011/65/EU

Size mm	Labels per sheet	Code	Quantity		
<b>High temperature</b>					
12,5	64	WS-HS 201200	320		
	323	WS-HS 201200-BULK	1.615		
25	24	WS-HS 201201	240		
	120	WS-HS 201201-BULK	1.200		
50	10	WS-HS 201202	50		
	30	WS-HS 201202-BULK	900		
100	2	WS-HS 201203	10		
	6	WS-HS 201203-BULK	450		
High temperature					
50	5	WST-TSW 0400-HS001-GB	25		
37 x 74	3	WST-LSY 2453-HS001-GB	15		
65 x 131	1	WST-LSY 2455-HS001-GB	10		
<b>Moving mechanical components</b>					
25	24	WS-MO 202501	240		
50	10	WS-MO 202502	50		
100	2	WS-MO 202503	10		
<b>Danger to hands</b>					
12,5	64	WS-CH 202800	320		
	323	WS-CH 202800-BULK	1.615		
25	24	WS-CH 202801	240		
	120	WS-CH 202801-BULK	1.200		
50	10	WS-CH 202802	50		
	30	WS-CH 202802-BULK	900		
100	2	WS-CH 202803	10		
	6	WS-CH 202803-BULK	450		
Danger to hands					
50	5	WST-TSW 0400-CH001	25		
<b>Laser</b>					
12,5	64	WS-LB 203900	320		
	323	WS-LB 203900-BULK	1.615		
25	24	WS-LB 203901	240		
	120	WS-LB 203901-BULK	1.200		
50	10	WS-LB 203902	50		
	30	WS-LB 203902-BULK	900		
100	2	WS-LB 203903	10		
	6	WS-LB 203903-BULK	450		

Size mm	Labels per sheet	Code	Quantity	
<b>Danger of death</b>				
50	10	WS-LD 200402	50	
100	2	WS-LD 200403	10	
<b>Toxic, harmful or irritant substances</b>				
50	10	WS-HM 200602	50	
100	2	WS-HM 200603	10	
<b>Flammable materials</b>				
50	10	WS-FM 200802	50	
100	2	WS-FM 200803	10	
<b>Danger of death</b>				
50	10	WS-DD 204702	50	
100	2	WS-DD 204703	10	
<b>Emergency - STOP</b>				
60	1	WSE 204500	10	Emergenza - STOP
60	1	WSE 204500-GB	10	Emergency - STOP
60	1	WSE 204500-D	10	NOTFALL - STOP
60	1	WSE 204500-E	10	Emergenza - STOP
60	1	WSE 204500-F	10	Arrêt d'urgence - STOP
80	1	WSE 204501	10	Emergenza - STOP
rigid PVC, no adhesive				
60	1	WSE 204500VR	100	Emergenza - STOP
60	1	WSE 204500VR-GB	100	Emergency - STOP
60	1	WSE 204500VR-E	100	Emergenza - STOP

## Prohibition signs

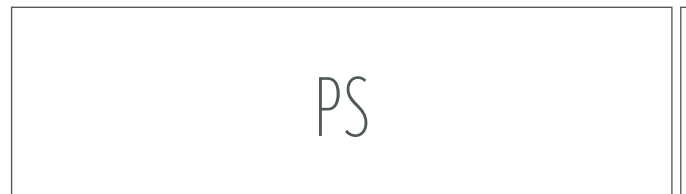
PVC film, on sheet, relevant standard ISO 3864-2

Consist of PS symbols supplemented by information in text form, or text only signs which can be used in combination with symbol only signs.

Available in different graphic modes and formats, for marking equipment, machinery and installations in a detailed and efficient way.

**Material:** Soft PVC film VY278, thickness approximately 0,1 mm. Resistant to Water, Oil, Grease, Alcohol, Detergent, Alkaline Substances and Atmospheric Agents. Low flammability, self extinguishing. Recommended for application to equipment for internal or external use, but not directly exposed to atmospheric agents. If exposed to atmospheric agents, the life of the label may be limited to five years.

**Application temperature range:** -30°C (-22°F) to +80°C (+158°F)



Size mm	Labels per sheet	Code	Quantity	
<b>General prohibition</b>				
25	15	PS-AP 212700	150	
50	3	PS-AP 212701	30	
100	2	PS-AP 212703	10	
Always use in combination with other symbols or text				
<b>No water to be used for extinguishing fires</b>				
25	15	PS-SW 210200	150	
	63	PS-SW 210200-BULK	1.260	
50	3	PS-SW 210201	30	
	15	PS-SW 210201-BULK	750	
100	2	PS-SW 210203	10	
	4	PS-SW 210203-BULK	500	
No water to be used for extinguishing fires				
65 x 131	1	PST-LSW 4103-SW001-GB	10	
120 x 200	1	PST-LSW 4106-SW001-GB	3	
<b>NO access</b>				
25	15	PS-NP 210500	150	
50	3	PS-NP 210501	30	
100	2	PS-NP 210503	10	
NO access				
65 x 131	1	PST-LSW 4103-NP001-GB	10	
120 x 200	1	PST-LSW 4106-NP001-GB	3	
<b>Do not touch, live parts</b>				
25	15	PS-TA 211300	150	
	63	PS-TA 211300-BULK	1.260	
50	3	PS-TA 211301	30	
	15	PS-TA 211301-BULK	750	
100	2	PS-TA 211303	10	
	4	PS-TA 211303-BULK	500	

Size mm	Labels per sheet	Code	Quantity	
<b>Do not touch, live parts</b>				
65 x 131	1	PST-LSW 4103-TA002-GB	10	
120 x 200	1	PST-LSW 4106-TA002-GB	3	
<b>Do not carry out any operations</b>				
25	15	PS-NM 211400	150	
50	3	PS-NM 211401	30	
100	2	PS-NM 211403	10	
Do not carry out any operations				
65 x 131	1	PST-LSW 4103-NM001-GB	10	
120 x 200	1	PST-LSW 4106-NM001-GB	3	
<b>No smoking</b>				
50	3	PS-NS 210001	30	
100	2	PS-NS 210003	10	
<b>Protection not to be removed</b>				
50	3	PS-RP 212401	30	
100	2	PS-RP 212403	10	



Circular symbol with red border and bar, black pictogram on white background. Used to prohibit specific acts that could be dangerous.

# MS



## Labels

### Mandatory signs

PVC film, on sheet, relevant standard ISO 3864-2

Consist of MS symbols supplemented by information in text form, or text only signs which can be used in combination with symbol only signs.






Available in different graphic modes and formats, for marking equipment, machinery and installations in a detailed and efficient way.

**Material:** Soft PVC film VY278, thickness approximately 0,1 mm. Resistant to Water, Oil, Grease, Alcohol, Detergent, Alkaline Substances and Atmospheric Agents. Low flammability, self extinguishing. Recommended for application to equipment for internal or external use, but not directly exposed to atmospheric agents. If exposed to atmospheric agents, the life of the label may be limited to five years.

**Application temperature range:** -30°C (-22°F) to +80°C (+158°F)

0.1 mm  
PVC 30°C 80°C

UL94  
VO  
RoHS  
COMPLIANT  
2011/65/EU

Size mm	Labels per sheet	Code	Quantity	
<b>Protect the eyes</b>				
50	3	MS-WG 220001	30	
100	2	MS-WG 220003	10	
<b>Protect the head</b>				
50	3	MS-WH 220101	30	
100	2	MS-WH 220103	10	
<b>Protect hearing</b>				
50	3	MS-WD 220201	30	
100	2	MS-WD 220203	10	
<b>Wear safety gloves</b>				
50	3	MS-CG 220901	30	
100	2	MS-CG 220903	10	
<b>This way only</b>				
50	3	MS-PD 223201	30	
100	2	MS-PD 223203	10	



Circular symbol with white border and pictogram on blue background.

Used to indicate that specific behaviour or actions are mandatory, and to instruct operators to wear personal safety equipment.

## Electrical symbols

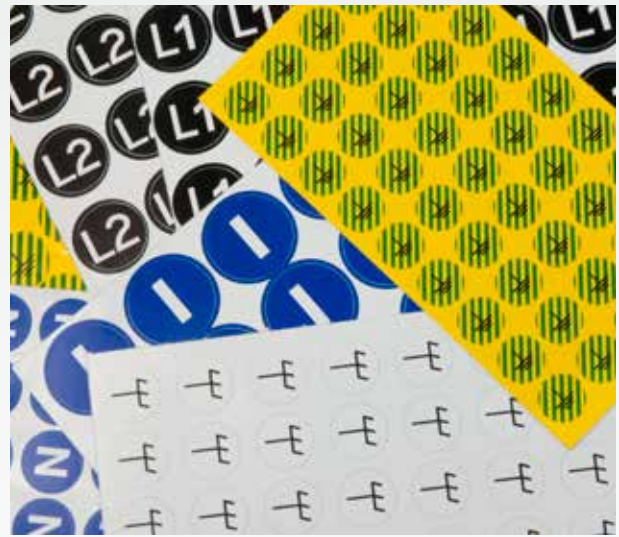
PVC film, on sheet

Consist of CS symbols supplemented by information in text form, or text only signs which can be used in combination with symbol only signs.

Available in different graphic modes and formats, for marking equipment, machinery and installations in a detailed and efficient way.

**Material:** Soft PVC film VY278, thickness approximately 0,1 mm. Resistant to Water, Oil, Grease, Alcohol, Detergent, Alkaline Substances and Atmospheric Agents. Low flammability, self extinguishing. Recommended for application to equipment for internal or external use, but not directly exposed to atmospheric agents. If exposed to atmospheric agents, the life of the label may be limited to five years.

**Application temperature range:** -30°C (-22°F) to +80°C (+158°F)



Size mm	Labels per sheet	Code	Quantity	Relevant standard	
<b>Phase 1</b>				<b>EN 60445</b>	
12,5	45	CS-L1 700000	225		
	192	CS-L1 700000-BULK	960		
16	28	CS-L1 700001	140		
	117	CS-L1 700001-BULK	1.170		
20	18	CS-L1 700002	90		
	80	CS-L1 700002-BULK	1.200		
<b>Phase 2</b>					<b>EN 60445</b>
12,5	45	CS-L2 700100	225		
	192	CS-L2 700100-BULK	960		
16	28	CS-L2 700101	140		
	117	CS-L2 700101-BULK	1.170		
20	18	CS-L2 700102	90		
	80	CS-L2 700102-BULK	1.200		
<b>Phase 3</b>				<b>EN 60445</b>	
12,5	45	CS-L3 700200	225		
	192	CS-L3 700200-BULK	960		
16	28	CS-L3 700201	140		
	117	CS-L3 700201-BULK	1.170		
20	18	CS-L3 700202	90		
	80	CS-L3 700202-BULK	1.200		
<b>Neutral</b>					<b>EN 60445</b>
12,5	45	CS-N 700300	225		
	192	CS-N 700300-BULK	960		
16	28	CS-N 700301	140		
	117	CS-N 700301-BULK	1.170		
20	18	CS-N 700302	90		
	80	CS-N 700302-BULK	1.200		
<b>Earth</b>				<b>EN 60445</b>	
12,5	45	CS-EY 700400	225		
	192	CS-EY 700400-BULK	960		
16	28	CS-EY 700401	140		
	117	CS-EY 700401-BULK	1.170		
20	18	CS-EY 700402	90		
	80	CS-EY 700402-BULK	1.200		
25	15	CS-EY 700403	75		
31,5	8	CS-EY 700404	40		

Size mm	Labels per sheet	Code	Quantity	Relevant standard	
<b>Earth</b>				<b>IEC 60417</b>	
12,5	45	CS-EW 700500	225		
	192	CS-EW 700500-BULK	960		
16	28	CS-EW 700501	140		
	117	CS-EW 700501-BULK	1.170		
20	18	CS-EW 700502	90		
	80	CS-EW 700502-BULK	1.200		
<b>Earth</b>					<b>EN 61310, IEC 60417</b>
12,5	45	CS-EYG 700700	225		
	192	CS-EYG 700700-BULK	960		
16	28	CS-EYG 700701	140		
	117	CS-EYG 700701-BULK	1.170		
20	18	CS-EYG 700702	90		
	80	CS-EYG 700702-BULK	1.200		
25	15	CS-EYG 700703	75		
<b>Protected earth</b>				<b>EN 60445</b>	
12,5	45	CS-E 700800	225		
	192	CS-E 700800-BULK	960		
16	28	CS-E 700801	140		
	117	CS-E 700801-BULK	1.170		
20	18	CS-E 700802	90		
	80	CS-E 700802-BULK	1.200		
<b>Protected earth</b>					<b>IEC 60417</b>
12,5	45	CS-EP 700900	225		
	192	CS-EP 700900-BULK	960		
16	28	CS-EP 700901	140		
	117	CS-EP 700901-BULK	1.170		
20	18	CS-EP 700902	90		
	80	CS-EP 700902-BULK	1.200		
<b>Protected conductor</b>				<b>EN 60445</b>	
12,5	45	CS-PE 701200	225		
	192	CS-PE 701200-BULK	960		
16	28	CS-PE 701201	140		
	117	CS-PE 701201-BULK	1.170		
20	18	CS-PE 701202	90		
	80	CS-PE 701202-BULK	1.200		
25	15	CS-PE 701203	75		

CS

## Labels

Circular shape for electrical installations, used to identify cables and connections.



They also show that installations and equipment meet specific safety standards.

0.1 mm  
PVC 30°C 80°C

UL94  
VO  
RoHS  
COMPLIANT  
2011/65/EU

Size mm	Labels per sheet	Code	Quantity	Relevant standard
<b>Neutral with protective function</b>				EN 60445
12,5	45	CS-PEN 701300	225	
16	28	CS-PEN 701301	140	
20	18	CS-PEN 701302	90	
25	15	CS-PEN 701303	75	
<b>Protected conductor not connected to earth</b>				EN 60445
12,5	45	CS-PU 701400	225	
16	28	CS-PU 701401	140	
20	18	CS-PU 701402	90	
25	15	CS-PU 701403	75	
<b>Positive</b>				EN 50099-2
12,5	45	CS-PW 701600	225	
16	28	CS-PW 701601	140	
20	18	CS-PW 701602	90	
<b>Negative</b>				EN 50099-2
12,5	45	CS-NW 701700	225	
16	28	CS-NW 701701	140	
20	18	CS-NW 701702	90	
<b>Positive</b>				EN 61310, IEC 60417
12,5	45	CS-PR 702000	225	
	192	CS-PR 702000-BULK	960	
16	28	CS-PR 702001	140	
	117	CS-PR 702001-BULK	1.170	
20	18	CS-PR 702002	90	
	80	CS-PR 702002-BULK	1.200	
<b>Negative</b>				EN 61310, IEC 60417
12,5	45	CS-NB 702100	225	
	192	CS-NB 702100-BULK	960	
16	28	CS-NB 702101	140	
	117	CS-NB 702101-BULK	1.170	
20	18	CS-NB 702102	90	
	80	CS-NB 702102-BULK	1.200	
<b>Earth</b>				IEC 60417
12,5	45	CS-MW 702200	225	
16	28	CS-MW 702201	140	
20	18	CS-MW 702202	90	
25	15	CS-MW 702203	75	

Size mm	Labels per sheet	Code	Quantity	Relevant standard
<b>Positive</b>				EN 60445
12,5	45	CS-L+ 702500	225	
16	28	CS-L+ 702501	140	
20	18	CS-L+ 702502	90	
25	15	CS-L+ 702503	75	
<b>Negative</b>				EN 60445
12,5	45	CS-L- 702600	225	
16	28	CS-L- 702601	140	
20	18	CS-L- 702602	90	
25	15	CS-L- 702603	75	
<b>Alternating current</b>				IEC 60417
12,5	45	CS-ACW 702800	225	
16	28	CS-ACW 702801	140	
20	18	CS-ACW 702802	90	
25	15	CS-ACW 702803	75	
<b>Direct current</b>				EN 61310, IEC 60417
12,5	45	CS-DCW 703000	225	
16	28	CS-DCW 703001	140	
20	18	CS-DCW 703002	90	
25	15	CS-DCW 703003	75	
<b>Class II insulation</b>				IEC 60417
12,5	45	CS-DIW 703400	225	
16	28	CS-DIW 703401	140	
20	18	CS-DIW 703402	90	
<b>Increased safety</b>				DIN 40012
12,5	45	CS-EX 703800	225	
16	28	CS-EX 703801	140	
20	18	CS-EX 703802	90	
25	15	CS-EX 703803	75	
<b>CE mark</b>				
12,5	45	CS-CE 703900	225	
	192	CS-CE 703900-BULK	960	
16	28	CS-CE 703901	140	
	117	CS-CE 703901-BULK	1.170	
20	18	CS-CE 703902	90	
	80	CS-CE 703902-BULK	1.200	
25	15	CS-CE 703903	75	

## Utility sector signs

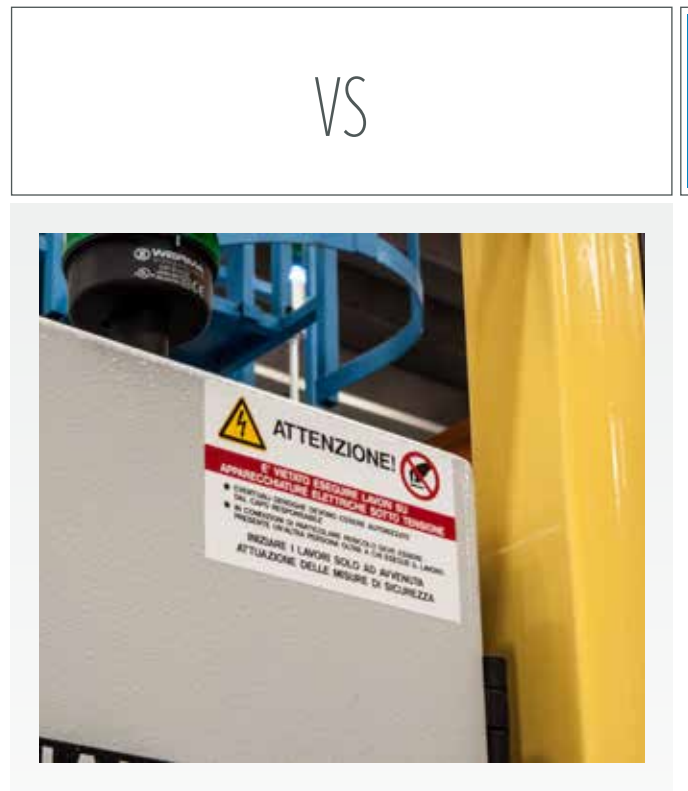
with text, PVC film

Available in different graphic modes and formats, for marking equipment, machinery and installations in a detailed and efficient way.

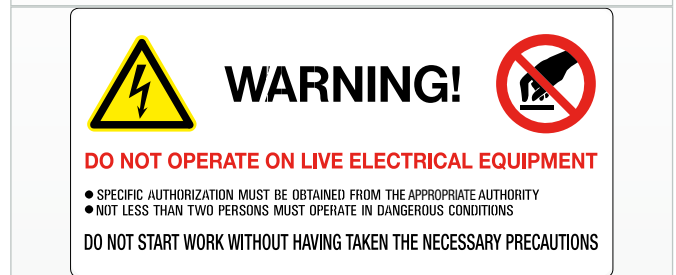
Texts can be supplied in different languages.

**Material:** Soft PVC film VY278, thickness approximately 0,1 mm. Resistant to Water, Oil, Grease, Alcohol, Detergent, Alkaline Substances and Atmospheric Agents. Low flammability, self extinguishing. Recommended for application to equipment for internal or external use, but not directly exposed to atmospheric agents. If exposed to atmospheric agents, the life of the label may be limited to five years.

**Application temperature range:** -30°C (-22°F) to +80°C (+158°F)



Size mm	Labels per sheet	Code	Quantity
70 x 120	1	VS-I80 268000	10
70 x 120	4	VS-I80 268000-BULK	300
70 x 120	1	VS-I80 268000-GB	10
70 x 120	4	VS-I80 268000-GB-BULK	300
70 x 120	1	VS-I80 268000-F	10
70 x 120	4	VS-I80 268000-F-BULK	300
70 x 120	1	VS-I80 268000-D	10
70 x 120	4	VS-I80 268000-D-BULK	300
70 x 120	1	VS-I80 268000-E	10
70 x 120	4	VS-I80 268000-E-BULK	300
70 x 120	1	VS-I80 268000-P	10
65 x 131	1	VS-I81 268100	10
52 x 105	1	VS-I81 268101	10
65 x 131	1	VS-I81 268100-GB	10
65 x 131	1	VS-I81 268100-F	10
65 x 131	1	VS-I81 268100-D	10
65 x 131	1	VS-I81 268100-E	10
65 x 131	1	VS-I81 268100-P	10
52 x 105	1	VS-I82 268200	10
52 x 105	6	VS-I82 268200-BULK	450
40 x 80	1	VS-I82 268201	10
40 x 80	15	VS-I82 268201-BULK	900
52 x 105	1	VS-I82 268200-GB	10
52 x 105	6	VS-I82 268200-GB-BULK	450
52 x 105	1	VS-I82 268200-F	10
52 x 105	6	VS-I82 268200-F-BULK	450
52 x 105	1	VS-I82 268200-D	10
52 x 105	1	VS-I82 268200-E	10
52 x 105	1	VS-I82 268200-P	10



VS

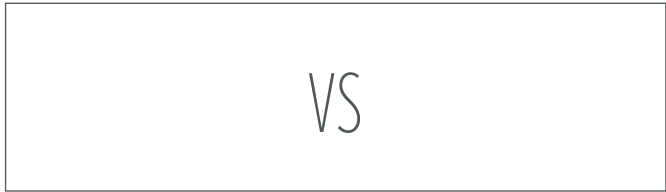
0.1 mm  
PVC 30°C 80°CUL94  
VO  
RoHS  
COMPLIANT  
2011/65/EU

Size mm	Labels per sheet	Code	Quantity
52 x 105	1	VS-I83 268300	10
52 x 105	6	VS-I83 268300-BULK	450
40 x 80	1	VS-I83 268301	10
52 x 105	1	VS-I83 268300-GB	10
52 x 105	6	VS-I83 268300-GB-BULK	450
52 x 105	1	VS-I83 268300-F	10
52 x 105	1	VS-I83 268300-D	10
52 x 105	6	VS-I83 268300-D-BULK	450
52 x 105	1	VS-I83 268300-E	10
52 x 105	1	VS-I83 268300-P	10
52 x 105	1	VS-I84 268400	10
52 x 105	6	VS-I84 268400-BULK	450
40 x 80	1	VS-I84 268401	10
52 x 105	1	VS-I84 268400-GB	10
52 x 105	1	VS-I84 268400-F	10
52 x 105	1	VS-I84 268400-D	10
52 x 105	1	VS-I84 268400-E	10
52 x 105	1	VS-I84 268400-P	10
52 x 105	1	VS-I85 268500	10
52 x 105	6	VS-I85 268500-BULK	450
40 x 80	1	VS-I85 268501	10
52 x 105	1	VS-I85 268500-GB	10
52 x 105	6	VS-I85 268500-GB-BULK	450
52 x 105	1	VS-I85 268500-F	10
52 x 105	6	VS-I85 268500-F-BULK	450
52 x 105	1	VS-I85 268500-D	10
52 x 105	6	VS-I85 268500-D-BULK	450
52 x 105	1	VS-I85 268500-E	10
52 x 105	6	VS-I85 268500-E-BULK	450
52 x 105	1	VS-I85 268500-P	10

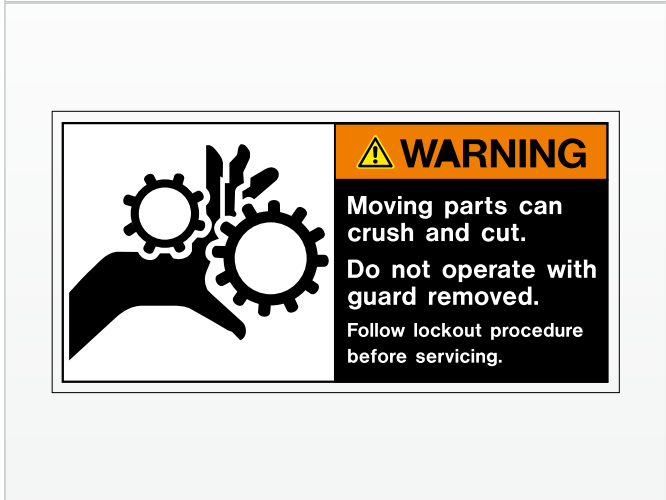
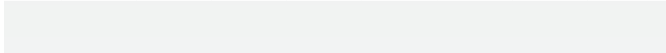
70 x 120	1	VS-I114 2611400	10
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Size mm	Labels per sheet	Code	Quantity
125 x 62	1	VS-I132 2613200	12
125 x 62	1	VS-I132 2613200-GB	12
125 x 62	1	VS-I132 2613200-F	12
125 x 62	1	VS-I132 2613200-D	12
125 x 62	1	VS-I132 2613200-E	12
125 x 62	1	VS-I132 2613200-P	12
125 x 62	1	VS-I133 2613300	12
125 x 62	1	VS-I133 2613300-GB	12
125 x 62	1	VS-I133 2613300-F	12
125 x 62	1	VS-I133 2613300-D	12
125 x 62	1	VS-I133 2613300-E	12
125 x 62	1	VS-I133 2613300-P	12
62 x 125	1	VS-I134 2613400	12
62 x 125	1	VS-I134 2613400-GB	12
62 x 125	1	VS-I134 2613400-F	12
62 x 125	1	VS-I134 2613400-D	12
62 x 125	1	VS-I134 2613400-E	12
62 x 125	1	VS-I134 2613400-P	12



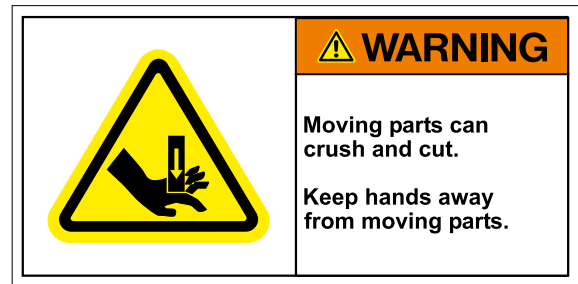
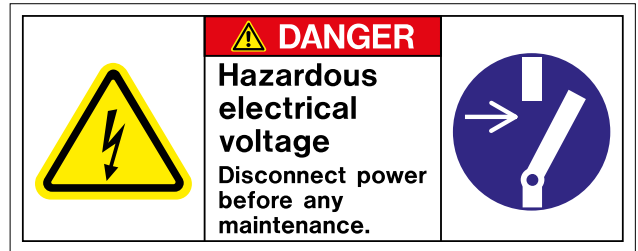
Labels

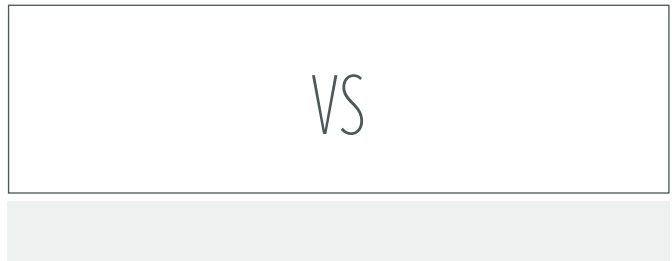
VS

PET 40°C 105°C



Size mm	Labels per sheet	Code	Quantity
62 x 155	1	VS-I135 2613500	9
62 x 155	1	VS-I135 2613500-GB	9
62 x 155	1	VS-I135 2613500-F	9
62 x 155	1	VS-I135 2613500-D	9
62 x 155	1	VS-I135 2613500-E	9
62 x 155	1	VS-I135 2613500-P	9
62 x 125	1	VS-I137 2613700	12
62 x 125	1	VS-I137 2613700-GB	12
62 x 125	1	VS-I137 2613700-F	12
62 x 125	1	VS-I137 2613700-D	12
62 x 125	1	VS-I137 2613700-E	12
62 x 125	1	VS-I137 2613700-P	12
62 x 125	1	VS-I138 2613800	12
62 x 125	1	VS-I138 2613800-GB	12
62 x 125	1	VS-I138 2613800-F	12
62 x 125	1	VS-I138 2613800-D	12
62 x 125	1	VS-I138 2613800-E	12
62 x 125	1	VS-I138 2613800-P	12

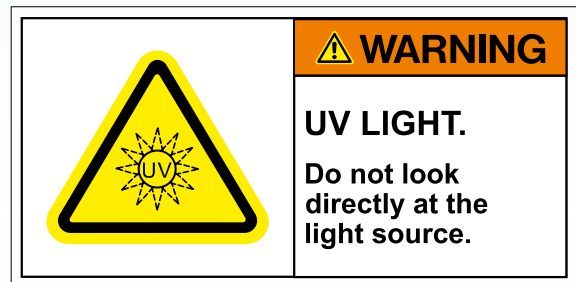




**PET** **-** **40°C** **+** **105°C**

**RoHS**  
COMPLIANT  
2011/65/EU

Size mm	Labels per sheet	Code	Quantity
62 x 125	1	VS-I139 2613900	12
62 x 125	1	VS-I139 2613900-GB	12
62 x 125	1	VS-I139 2613900-F	12
62 x 125	1	VS-I139 2613900-D	12
62 x 125	1	VS-I139 2613900-E	12
62 x 125	1	VS-I139 2613900-P	12
62 x 125	1	VS-I140 2614000	12
62 x 125	1	VS-I140 2614000-GB	12
62 x 125	1	VS-I140 2614000-F	12
62 x 125	1	VS-I140 2614000-D	12
62 x 125	1	VS-I140 2614000-E	12
62 x 125	1	VS-I140 2614000-P	12
62 x 125	1	VS-I141 2614100	12
62 x 125	1	VS-I141 2614100-GB	12
62 x 125	1	VS-I141 2614100-F	12
62 x 125	1	VS-I141 2614100-D	12
62 x 125	1	VS-I141 2614100-E	12
62 x 125	1	VS-I141 2614100-P	12



# LLS-ILS



Chemical and pharmaceutical applications commonly require the use of very thin and strong labels capable of withstanding contact with chemical agents.



Grey and 'silver' Polyester labels are widely used in the electrical and electronic industries. 'Silver', ie. metallised, labels contain a layer of conductive Aluminium which becomes electrically charged during printing.

Grey labels are non-conductive and may be preferred when it is necessary to avoid the risk of electrical discharges in the printer.

Both types have a similar top surface.



Polyester is recommended for its transparency and non-deformability. Improved visibility may be obtained with coloured Polyester labels available in a wide range of materials supplied by Cembre.

## Labels

### Labels for laser and inkjet printers

#### *self adhesive*

Blank labels for laser or ink-jet printers.

Supplied on A4 sheets, in UL certified materials such as polyester and polyolefin, for long-term use, at very high temperatures if necessary.

LLS and ILS labels can be used to identify electrical and electronic components with the high quality print provided by desktop printers.

Supplied in packs of 10 and combined with a strong liner, each sheet of labels must be fed manually into the printer.

---

**Material:** Polyester outdoor WPYM, white, matt

**Application temperature range:** -40°C (-40°F) to +140°C (+302°F)

**Operating temperature range:** +10°C (+50°F)

**Thickness:** 50 µ

**Self adhesive:** permanent

---

**Material:** Polyester outdoor GPYM, metallic grey, matt

**Application temperature range:** -40°C (-40°F) to +140°C (+302°F)

**Operating temperature range:** +10°C (+50°F)

**Thickness:** 50 µ

**Self adhesive:** permanent

---

**Material:** Polyester indoor YPYM, yellow, matt

**Application temperature range:** -40°C (-40°F) to +140°C (+302°F)

**Operating temperature range:** +10°C (+50°F)

**Thickness:** 50 µ

**Self adhesive:** permanent







Size A x B mm	Code	white	yellow indoor	metallic grey	Rows x columns per A4 sheet	M	N	O	P	X	Y	Quantity
<b>Rectangular, square corners</b>												
5 x 12	7700707	WPYM	YPYM	GPYM	55 x 15	15	12	15	10			8.250
6 x 15	7700112	WPYM	YPYM	GPYM	46 x 12	15	11	15	10			5.520
6 x 20	7700116	WPYM	YPYM	GPYM	46 x 9	15	11	15	10			4.140
7 x 10	7700708	WPYM	YPYM	GPYM	39 x 19	10	14	10	10			7.410
7 x 15	7700709	WPYM	YPYM	GPYM	39 x 12	15	14	15	10			4.680
8 x 12	7700158	WPYM	YPYM	GPYM	34 x 15	15	15	15	10			5.100
8 x 15	7700164	WPYM	YPYM	GPYM	34 x 12	15	15	15	10			4.080
8 x 17	7700162	WPYM	YPYM	GPYM	34 x 11	11,5	15	11,5	10			3.740
8 x 45	7700064	WPYM	YPYM	GPYM	34 x 4	15	15	15	10			1.360
9 x 12	7700070	WPYM	YPYM	GPYM	30 x 16	9	17	9	10			4.800
9 x 15	7700068	WPYM	YPYM	GPYM	30 x 12	15	17	15	10			3.600
9 x 20	7700196	WPYM	YPYM	GPYM	30 x 9	15	17	15	10			2.700
9 x 35	7700710	WPYM	YPYM	GPYM	30 x 5	17,5	17	17,5	10			1.500
10 x 30	7700174	WPYM	YPYM	GPYM	27 x 6	15	17	15	10			1.620
10 x 33	7700266	WPYM	YPYM	GPYM	27 x 6	22,5	17	22,5	10			1.890
10 x 60	7700292	WPYM	YPYM	GPYM	27 x 3	15	17	15	10			810
11 x 19	7700094	WPYM	YPYM	GPYM	25 x 9	19,5	12	19,5	10			2.250
11 x 38	7700096	WPYM	YPYM	GPYM	25 x 5	10	12	10	10			1.250
12 x 25	7700304	WPYM	YPYM	GPYM	23 x 7	17,5	14	17,5	10			1.610
12 x 34	7700300	WPYM	YPYM	GPYM	23 x 5	20	14	20	10			1.150
12 x 40	7700711	WPYM	YPYM	GPYM	22 x 4	25	23	25	10			880
13 x 50	7700712	WPYM	YPYM	GPYM	21 x 3	30	14	30	10			630
15 x 17	7700330	WPYM	YPYM	GPYM	18 x 11	11,5	11,5	11,5	10			1.980
15 x 27	7700616	WPYM	YPYM	GPYM	18 x 7	10,5	17	10,5	10			1.260
15 x 49	7700614	WPYM	YPYM	GPYM	18 x 3	31,5	17	31,5	10			540
15 x 78	7700713	WPYM	YPYM	GPYM	18 x 2	27	17	27	10			360
18 x 32	7700228	WPYM	YPYM	GPYM	15 x 6	9	17	9	10			900
18 x 46	7700208	WPYM	YPYM	GPYM	15 x 4	13	17	13	10			600
21 x 70	7700714	WPYM	YPYM	GPYM	13 x 2	35	14	35	10			260
22 x 40	7700306	WPYM	YPYM	GPYM	12 x 4	25	33	25	10			480
22 x 63	7700652	WPYM	YPYM	GPYM	12 x 3	10,5	33	10,5	10			360
22 x 110	7700715	WPYM	YPYM	GPYM	12 x 1	50	23	50	10			120
25 x 50	7700716	WPYM	YPYM	GPYM	11 x 3	30	12	30	10			330
25 x 80	7700717	WPYM	YPYM	GPYM	11 x 2	25	12	25	10			220
30 x 80	7700719	WPYM	YPYM	GPYM	9 x 2	25	17	25	10			180
30 x 100	7700720	WPYM	YPYM	GPYM	9 x 2	5	17	5	10			180
32 x 58	7700718	WPYM	YPYM	GPYM	8 x 3	18	31	18	10			240
34 x 60	7700721	WPYM	YPYM	GPYM	8 x 3	15	15	15	10			240

# LLS-ILS

Labels



Size A x B mm	Code	white	yellow indoor	metallic grey	Rows x columns per A4 sheet	M	N	O	P	X	Y	Quantity
<b>Rectangular, square corners</b>												
34 x 63	7700484	WPYM	YPYM	GPYM	8 x 3	10,5	15	10,5	10			240
40 x 60	7700452	WPYM	YPYM	GPYM	7 x 3	15	10	15	7			210
40 x 90	7700456	WPYM	YPYM	GPYM	7 x 2	15	10	15	7			140
42 x 78	7700722	WPYM	YPYM	GPYM	6 x 2	27	35	27	10			120
45 x 60	7700414	WPYM	YPYM	GPYM	6 x 3	15	17	15	10			180
48 x 90	7700528	WPYM	YPYM	GPYM	5 x 2	15	47	15	10			100
50 x 80	7700723	WPYM	YPYM	GPYM	5 x 2	25	37	25	10			100
52 x 107	7700726	WPYM	YPYM	GPYM	5 x 1	51,5	27	51,5	10			50
60 x 100	7700725	WPYM	YPYM	GPYM	4 x 2	5	47	5	10			80
62 x 88	7700724	WPYM	YPYM	GPYM	4 x 2	17	39	17	10			80
75 x 105	7700728	WPYM	YPYM	GPYM	3 x 1	52,5	62	52,5	10			30
105 x 110	7700727	WPYM	YPYM	GPYM	2 x 1	43,5	77	43,5	10			20
120 x 60	7700729	WPYM	YPYM	GPYM	2 x 2	15	47	15	10			40
120 x 70	7700730	WPYM	YPYM	GPYM	2 x 2	35	57	35	10			40
140 x 98	7700731	WPYM	YPYM	GPYM	2 x 2	7	7	7	10			40
<b>Square, square corners</b>												
16 x 16	7702045	WPYM	YPYM	GPYM	16 x 11	17	31	17	10			1.760
20 x 20	7702046	WPYM	YPYM	GPYM	13 x 9	15	27	15	10			1.170
28 x 28	7702044	WPYM	YPYM	GPYM	10 x 6	21	10	21	7			600
30 x 30	7702032	WPYM	YPYM	GPYM	9 x 6	15	17	15	10			540
40 x 40	7702036	WPYM	YPYM	GPYM	7 x 4	25	10	25	7			280
50 x 50	7702047	WPYM	YPYM	GPYM	5 x 3	30	37	30	10			150
70 x 70	7702049	WPYM	YPYM	GPYM	4 x 2	35	7	35	10			80
100 x 100	7702050	WPYM	YPYM	GPYM	2 x 2	5	97	5	10			40
<b>Rectangular, rounded corners</b>												
275 x 190	7703058	WPYM	YPYM	GPYM	1 x 1	10	12	10	10			10
<b>Circular</b>												
∅ 16	7704002	WPYM	YPYM	GPYM	14 x 10	7	10	7	10	4	4	1.400
∅ 25	7704006	WPYM	YPYM	GPYM	9 x 6	17,5	17	17,5	15	5	5	540
∅ 50	7704010	WPYM	YPYM	GPYM	5 x 3	22	21	22	10	4	4	150
<b>A4</b>												
297 x 210	7706000	WPYM	YPYM	GPYM								10

## Wraparound cable markers

for laser printers, self adhesive, A4 sheet

KML wraparound cable markers are suitable for identifying large diameter cables, tubes and conduit.

**Material:** transparent polyester film. Long-life Acrylic adhesive.

Resistant to Water, Oil, Grease, Alcohol, Detergent, Alkaline Substances, Sea Water and all kinds of Detergents.

Excellent dimensional stability, optimum antiageing qualities

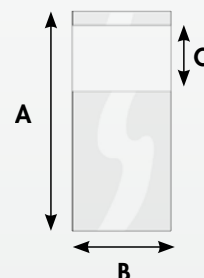
**Application temperature range:** -40°C (-40°F) to +125°C (+257°F)

KML



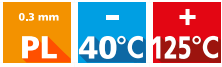
Overall Length A mm	Wrapping diameter mm	Print area CxB mm		white	yellow	orange	red	blue	green	Quantity
38	4,3 ÷ 7	10 x 10	KML038	18950-010	18450-010	18350-010	18250-010	18650-010	18550-010	1.260
		10 x 12	KML038	18950-012	18450-012	18350-012	18250-012	18650-012	18550-012	1.050
		10 x 15	KML038	18950-015	18450-015	18350-015	18250-015	18650-015	18550-015	840
		10 x 18	KML038	18950-018	18450-018	18350-018	18250-018	18650-018	18550-018	700
		10 x 20	KML038	18950-020	18450-020	18350-020	18250-020	18650-020	18550-020	630
		10 x 23	KML038	18950-023	18450-023	18350-023	18250-023	18650-023	18550-023	560
		10 x 25	KML038	18950-025	18450-025	18350-025	18250-025	18650-025	18550-025	490
		10 x 30	KML038	18950-030	18450-030	18350-030	18250-030	18650-030	18550-030	420
		10 x 35	KML038	18950-035	18450-035	18350-035	18250-035	18650-035	18550-035	350
		10 x 45	KML038	18950-045	18450-045	18350-045	18250-045	18650-045	18550-045	280
50	6 ÷ 10	15 x 10	KML050	18951-010	18451-010	18351-010	18251-010	18651-010	18551-010	900
		15 x 12	KML050	18951-012	18451-012	18351-012	18251-012	18651-012	18551-012	750
		15 x 15	KML050	18951-015	18451-015	18351-015	18251-015	18651-015	18551-015	600
		15 x 18	KML050	18951-018	18451-018	18351-018	18251-018	18651-018	18551-018	500
		15 x 20	KML050	18951-020	18451-020	18351-020	18251-020	18651-020	18551-020	450
		15 x 23	KML050	18951-023	18451-023	18351-023	18251-023	18651-023	18551-023	400
		15 x 25	KML050	18951-025	18451-025	18351-025	18251-025	18651-025	18551-025	350
		15 x 30	KML050	18951-030	18451-030	18351-030	18251-030	18651-030	18551-030	300
		15 x 35	KML050	18951-035	18451-035	18351-035	18251-035	18651-035	18551-035	250
15 x 45	KML050	18951-045	18451-045	18351-045	18251-045	18651-045	18551-045	200		

Directly on cables, etc in accordance with wrapping diameter limitations shown for each size.

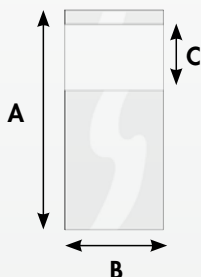


Labels

KML



Overall Length A mm	Wrapping diameter mm	Print area CxB mm		white	yellow	orange	red	blue	green	Quantity
75	8 ÷ 14	25 x 10	KML075	18952-010	18452-010	18352-010	18252-010	18652-010	18552-010	540
		25 x 12	KML075	18952-012	18452-012	18352-012	18252-012	18652-012	18552-012	450
		25 x 15	KML075	18952-015	18452-015	18352-015	18252-015	18652-015	18552-015	360
		25 x 18	KML075	18952-018	18452-018	18352-018	18252-018	18652-018	18552-018	300
		25 x 20	KML075	18952-020	18452-020	18352-020	18252-020	18652-020	18552-020	270
		25 x 23	KML075	18952-023	18452-023	18352-023	18252-023	18652-023	18552-023	240
		25 x 25	KML075	18952-025	18452-025	18352-025	18252-025	18652-025	18552-025	210
		25 x 30	KML075	18952-030	18452-030	18352-030	18252-030	18652-030	18552-030	180
		25 x 35	KML075	18952-035	18452-035	18352-035	18252-035	18652-035	18552-035	150
		25 x 45	KML075	18952-045	18452-045	18352-045	18252-045	18652-045	18552-045	120
135	19 ÷ 34	25 x 15	KML135	18953-015	18453-015	18353-015	18253-015	18653-015	18553-015	240
		25 x 18	KML135	18953-018	18453-018	18353-018	18253-018	18653-018	18553-018	200
		25 x 20	KML135	18953-020	18453-020	18353-020	18253-020	18653-020	18553-020	180
		25 x 23	KML135	18953-023	18453-023	18353-023	18253-023	18653-023	18553-023	160
		25 x 25	KML135	18953-025	18453-025	18353-025	18253-025	18653-025	18553-025	140
		25 x 30	KML135	18953-030	18453-030	18353-030	18253-030	18653-030	18553-030	120
		25 x 35	KML135	18953-035	18453-035	18353-035	18253-035	18653-035	18553-035	100
		25 x 45	KML135	18953-045	18453-045	18353-045	18253-045	18653-045	18553-045	80



Directly on cables, etc in accordance with wrapping diameter limitations shown for each size.



**Pre-printed MARKINGENIUS® media specification**

for panel plates

**CUSTOMER INFORMATION**

Contact name .....

Company .....

Address .....

City ..... Postcode.....

Phone ..... FAX .....

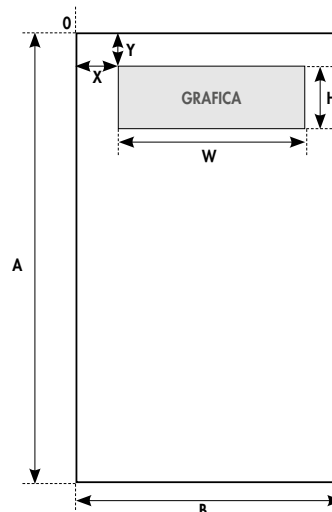
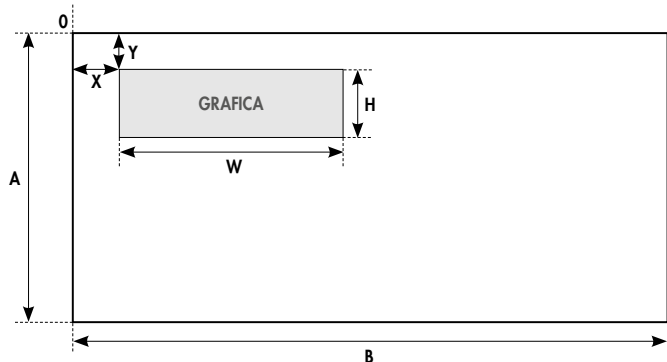
E-mail .....

**MEDIUM**

Part code.....

Landscape Size mm **A**..... **B**.....

Portrait Size mm **A**..... **B**.....



self adhesive     plain     predrilled with holes

Colour.....

**GRAPHIC**

GRAPHIC Area **W**..... x **H**..... mm

GRAPHIC Position **X**..... x **Y**..... mm

GRAPHIC Colour references (Pantone®, RAL...) .....

- GRAPHIC Vector file (Adobe Illustrator .ai, Corel Draw .cdr, AutoCAD .dxf)
- GRAPHIC on printed document (Company letter head, business card, packaging...)
- Sample PLATE (eg. currently used)
- Scan/image of MEDIUM or GRAPHIC (Adobe Acrobat .pdf)

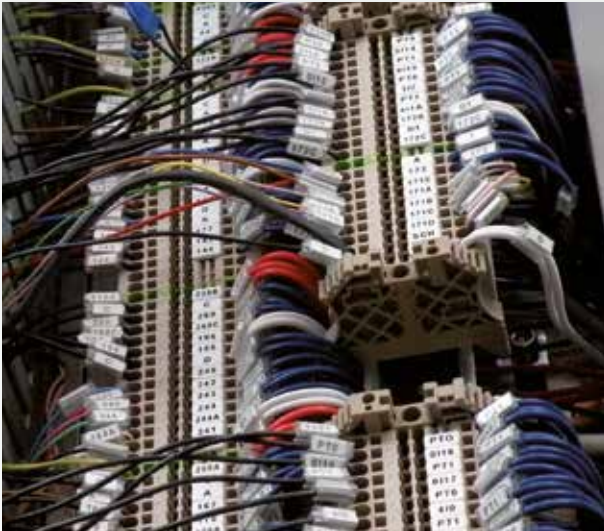
**ORDER**

First order quantity..... Annual consumption.....

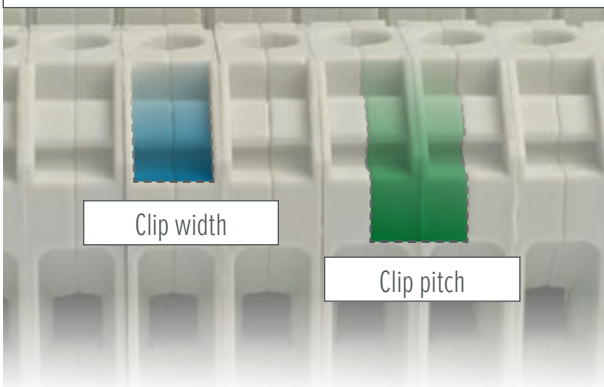
Date sent..... Authorised by.....

Signature.....

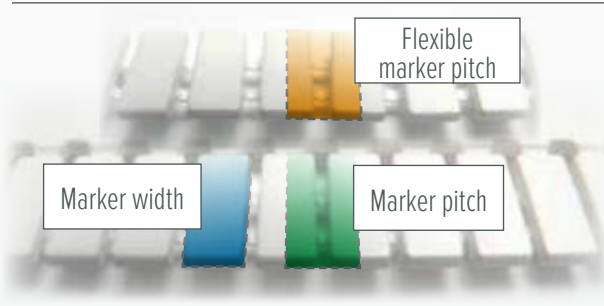
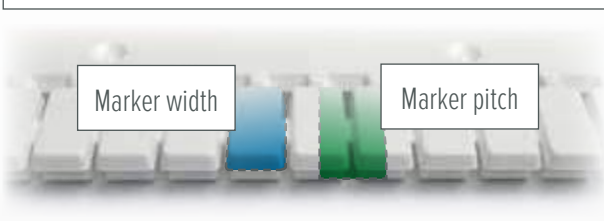
# CHART



TERMINAL BLOCK



MARKERS



## CEMBRE

### Terminal block marker cross reference chart

MG-CPM terminal block markers are available in versions to suit the particular clip formats of the most widely used products, see cross reference chart to side.

Depending on type, markers are presented as joined strips at a set or flexible pitch or as separate markers for convenient individual insertion on mixed pitch terminal block assemblies. See markers on page 18

#### MARKERS APPLICATION



**MODULAR STRIP** Marker width is less than Clip width, while Marker width and Clip pitch are equal.



**MODULAR FLEXIBLE STRIP** Marker width is less than Clip width, while Marker width and Clip pitch are equal.



**SINGLE CLIPS TO PITCH** Marker width is equal to Clip width and also Marker width and Clip pitch are equal.



**SINGLE CLIPS COMPATIBLE TO PITCH** Marker width is less than Clip width, while Marker width and Clip pitch are equal.



**SINGLE CLIPS** Marker width is equal to Clip width, while Marker pitch is different to Clip pitch.



**SINGLE CLIPS COMPATIBLE** Marker width is less than Clip width, while Marker pitch is different to Clip pitch.



# CHART

CEMBRE

## CABUR

	Markers mm			
	MG-CPM-03 41291 5x10	MG-CPM-03 41293 5x10	MG-CPM-04 41300N 5x10	MG-CPM-04 41301 6x10
FFS.4/6	C	C	M	C
TLS.2/4	C	C		C
TLE.2/4	C	C		C
TLD.2/4	C	C		C
TDE.2/4	C	C		C
PCE.4/6/...	C	C	M	C
PCE.4/X...	C	C		C
SFR.4/6...SFR.4/6/C230	C	CP		C
SFO.4/6...SFO.4/6/C230	C	CP	M	C
FPC.10/16	C	C		C
FPL.10/16...FPL.10/16/C230	C	C		C
SFR.4/D1A...SFR.4/D3A	C	CP		C
MPS.2/4/SV...MPS.2/4/SV	S	S		P
MPS.4/6...MPS.4/6/VS	C	C		C
SCB.4/6...SCB.4/10/CD	C	C		C
AFO.2/1+1...AFO.2/2+2/TP	C	C		C
PDF.2	C	C		C
FDP.2	C	C		C
CVF.4/6...CVF.4/6/TP	C	C		C
TC/PO	S	S		P
VPC.2/4	S	S		S
VPD.2/	S	S		S
GPM.95/BB...GPM.240/300/CC	C	C		C
GPA.70...GPA.240	C	C		C
ACB.70/BB...ACB.185/240/CC	C	C		C
BCA.70/BB...BCA.120/185/CC	C	C		C
MBL.50/6...MBL.150/12	C	C		C
TEO.2/4	S	S		P
TEO.4/6	C	C	M	C
CBE.2/4	P	M	S	S
TE.4/6/D...TE.50/D...TE.50/O	C	C		S
RN.1/2,5	P	M	S	S
RN.2/4	P	M	S	S
RP.4/6	C	C		C
RF1.2	C	C		C
TR.2/4	P	M	S	S
TR.4/6	P	M	S	S
MAC.6/10...MAC.6/10/N	C	CP		C
CAM...CAM/C	C	CP		C
NCS	C	C		C
NCV	C	C		C
CNT.6...CNT.35	C	P		C
HMM.1/2,5...HMM.1/2,5/2+2				P
HMM.2/4...HMM.6/10				C
HTE.2/4...HTE.6/10				C
HMD.2N...HMD.2/4				C
HMS.2/4				C
HMF.4/6...HMF.4/6/L115				C
EDM.2/4	S	S		P
EDM.4/6...EDM.70/50/BC	C	C	M	
SV.2...SV.2/VS	S	S		P
SV.4/6...SV.10/16	C	C		C
CPS.4/6	C	C		C
SCX.10/16...SCX.10/16-PI	C	C		C
SFC.10/16	C	C		C
SFL.10/16	C	C		C
FLD.10/16/F5...FLD.10/16/D	C	C		C
VLM.10/16...VLM.10/16/O	C	C		C
VL.16...VL.16/O-M	C	C		C
TC/DIN	S	S		P
VNF.6/10...VNF.6/10/STP	C	C		C
CDA.70/BC...CDA.185/BB	C	C		C
BTU	C	P		C
BT/3	C	P		C
BT/2	C	P		C
BT/DIN/PO	C	P		C

## CONNECTWELL

	Markers mm			
	MG-CPM-01 41090N 5x10	MG-CPM-01 41081N 5x15	MG-CPM-01 41090N 5x10	MG-CPM-01 41094 5x7
CDB4/2(1)			S	S
CMC2-2			S	S
CG16N			S	S
CSCG10T			S	S
CGT16N			S	S
AS2.5/4			S	S
CTU4U			S	S
CTS6UCR			S	S
CTS4UN			S	S
CT25UCR			S	S
CMDB4/2			S	S
CSDL6U			S	S
CSC2.5T1-2			S	S
AS6			S	S
CT25U			S	S
CGT4UN			S	S
CGT10N			S	S
DDFL4UCLR24V			S	S
DDFL4UEL			S	S
CSC2.5T2-2			S	S
CTS10U			S	S
AS4/3			S	S
CTS10USC			S	S
AS2.5/3			S	S
CENC16			S	S
DDFL4U			S	S
CTS2.5UNCR			S	S
CDDTU			S	S
CSC4T1-2			S	S
CKT4U			S	S
CSC4T2-2			S	S
CSC64T			S	S
CTS6U			S	S
CSC4T			S	S
CSCG2.5T			S	S
CSFL6U			S	S
CENC35			S	S
CGT10U			S	S
CSDL4U			S	S
CSC6T			S	S
CGT4U			S	S
AS4/4			S	S
AS4			S	S
CTS4UNCR			S	S
CTS6USC			S	S
STH4			S	S
CTS16U			S	S
CSCG16T			S	S
CSC6T1-2			S	S
CSC2.5T			S	S
ODL4U			S	S
CMC1-2			S	S
CDB6/2			S	S
ODL4UA			S	S
AS2.5			S	S
ADL2.5			S	S
CDB25/2			S	S
CTS25U			S	S
CDDTUSH			S	S
CTS35UN			S	S
CTS5UCR			S	S
CTS10UCR			S	S
CMDB10/2			S	S
CTS25UN			S	S
CMDB6/2			S	S
CGT35U			S	S
CSC16T			S	S
CTS95U	S	S	S	S
CSC10T			S	S
CTS35U			S	S
CTS16UCR			S	S
CTS50U	S	S	S	S
CSFL4U			S	S

**CONNECTWELL**

	Markers mm					
	MG-CPM-01 41090N 5x10	MG-CPM-01 41091N 5x15	MG-CPM-01 41090N 5x10	MG-CPM-01 41094 5x7	MG-CPM-03 41291 5x10	MG-CPM-03 41293 5x10
STH4DT					S	S S
CDB10/2					S	S S
ASF4					S	S S
DDFL4UE24V					S	S S
CSFL4UL24V					S	S S
DDDL4U					S	S S
DDFL4ULR					S	S S
CTS4UNCR					S	S S
CTS2.5UN					S S	P P M
CMDB6/2					S	S S
CTS2.5M				S		
CTS4SC				S		M
CTS6				S		M
CTS6SC				S		M
CTSSRN5				S		M
CTS10SC				S		M
CTS16				S		M
CTS10				S		M

**CONTA CLIP**

	Markers mm					
	MG-CPM-01 41090N 5x10	MG-CPM-01 41091N 5x15	MG-CPM-02 41190N 5x10	MG-CPM-01 41094 5x7	STF-01 42801	
PK-TS 15/35	C	C	C	C	M	
ZRKG	C	C	C	C	M	
ZSLG	C	C	C	C	M	
ZSLN	C	C	C	C	M	
ZSRK	C	C	C	C	M	
ZVMAK	C	C	C	C	M	

**FINDER**

	Markers mm		
	MG-CPM-03 41291 5x10	MG-CPM-04 41392 3x10	MG-CPM-11 46392 6x12
38.51...	C	C	
38.52...			C
38.61...	C	C	
38.62...			C
38.31...			C
38.21...	C	C	
38.41...			C
38.81...	C	C	
39.11...			C
39.20...			C
39.31...			C
39.81...			C
39.91...			C
48.61...			C
58.32...			C
58.33...			C
58.34...			C
93.02...			C
93.03...			C
93.21...	C	C	
93.61...			C
93.62...			C
93.68...			C
094.91.3			C
095.91.3			C
77.01...			C
78.50...			C
80.01...			C
83.01...			C
83.41...			C

**KLEMNSAN**

	Markers mm					
	MG-CPM-01 41090N 5x10	MG-CPM-01 41091N 5x15	MG-CPM-02 41190N 5x10	MG-CPM-01 41094 5x7	MG-CPM-11 46392 6x12	MG-CPM-12 46391 4,2x6
WGD 1	C	C	C	C		
KD 3	C	C	C	C		
KD 4	C	C	C	C		
MVK series					C	C
AVK series	C	C	C	C		
PYK					C	C
PYKMR	C	C	C	C		
PYK TEST	C	C	C	C		
YBK series	C	C	C	C		
MYK series	C	C	C	C		
YBK series						
PCY series					C	C
PIK series	C	C	C	C		
AYK series					C	C
WGL 1	C	C	C	C		

**LEGRAND**

	Markers mm					
	MG-CPM-09 41990 5x10					
Serie Viking 3	MF					

**MORSETTITALIA**

	Markers mm			
	MG-CPM-01 41090N 5x10	MG-CPM-12 46391 4,2x6	MG-CPM-12 46390 4,2x9	MG-CPM-13 41790 5x12
Serie EURO	S	S	S	
Serie EURO OM			S	

**OMRON**

	Markers mm				
	MG-CPM-02 4190N 5x10	MG-CPM-04 41392 3x10	MG-CPM-04 41390N 5x10	MG-CPM-04 41391 6x10	MG-CPM-05 4490 5x10
G2RVSL700-225258	C				
XW5T-S2.5-1.1-1(BL)					P
XW5T-S2.5-1.1-2					P
XW5T-S2.5-1.1-2V					P
XW5T-S...					P
XW5G-S2.5-1.1-1					C
XW5G-S...					C
XW5T-P1.5-1.1-1(BL)	P				
XW5T-P2.5-1.1-1(BL)		P			P
XW5T-P4.0-1.1-1(BL)			S		C
XW5T-P1.5-1.2-1(BL)	P				
XW5T-P1.5-2.2-1(BL)	P				
XWTG-P1.5-1.1-1	P				



PHOENIX CONTACT				
	Markers mm	MG-CPM-03 41291 5x10	MG-CPM-04 41392 3x10	MG-CPM-04 41390N 5x10
UK 6	C	C	C	M
UK 6 N	C	C	C	M
UK 6.3 HESI	C	C	C	M
UK 10	C	C	C	M
UK 10 - DREHSI	C	C	C	M
UK 10 - EX	C	C	C	M
UK 10 - N-PE / N	C	C	C	M
UK 10 - PLUS	C	C	C	M
UK 10 - PLUS - PE	C	C	C	M
UK 10 - TWIN	C	C	C	M
UK 10 - TWIN - PE	C	C	C	M
UK 10 N	C	C	C	M
UK 10 RETURN	C	C	C	M
UK 10 RETURN - PE	C	C	C	M
UK 10.3 - HESI	C	C	C	M
UK 16	C	C	C	M
UK 16 - EX	C	C	C	M
UK 16 - PE / N	C	C	C	M
UK 16 N	C	C	C	M
UK 16 N - EX	C	C	C	M
UK 16 N - PE / N	C	C	C	M
UK 35	C	C	C	M
UK 35 - EX	C	C	C	M
UK 35 - PE / N	C	C	C	M
UK SI	C	C	C	M
UKB 4 FS ...	C	C	C	M
UKD 4 PE	C	C	C	M
UKH 25	C	C	C	M
UKH 50	C	C	C	M
UKH 50 - PE / N	C	C	C	M
UKH 95	C	C	C	M
UKH 95 - PE / N	C	C	C	M
UKH 150	C	C	C	M
UKH 240	C	C	C	M
UKK 3	S	S	C	M
UKK 4 - FS	C	C	P	M
UKK 4 - FS / FS	C	C	P	M
UKK 5	C	C	C	M
UKK 5 - DIO	C	C	C	M
UKK 5 - TG	C	C	C	M
UKK 5 -2 -DIO	C	C	C	M
UKK 5 -LA	C	C	C	M
UKKB 3	S	P	M	C
UKKB 5	C	C	C	M
UKKB 10	C	C	C	M
UKKB 10 / 2.5	C	C	C	M
UKKB 10 / 2.5 - PE	C	C	C	M
UKN 2.5	C	C	C	M
UKN 4	C	C	P	M
UKN 5	C	C	C	M
UKN 10 (N)	C	C	C	M
UKN 16	C	C	C	M
UKN 16N	C	C	C	M
UKN 35	C	C	C	M
UKSN	C	C	C	M
URK - ND	C	C	C	M
URK - ND 2	C	C	C	M
URKN	C	C	C	M
URKN - A	C	C	C	M
URKN / S	C	C	C	M
URTK - BEN	C	C	C	M
URTK / S	C	C	C	M
URTK / S - BEN	C	C	C	M
URTK / SS	C	C	C	M
URTKD / SP	C	C	C	M
USED 16	C	C	C	M
USED 27	C	C	C	M
USEN 14	C	C	C	M
USEN 18	C	C	C	M
USK / SGSK	C	C	C	M
USK 4 FSR...	C	C	P	M
USLKG 2.5	S	S	S	M
USLKG 2.5 - N	S	S	S	M
USLKG 3	S	S	S	M
USLKG 4	C	C	P	M

PHOENIX CONTACT				
	Markers mm	MG-CPM-03 41291 5x10	MG-CPM-04 41392 3x10	MG-CPM-04 41390N 5x10
USLKG 5	C	C	C	M
USLKG 10 (N)	C	C	C	M
USLKG 16	C	C	C	M
USLKG 16 N	C	C	C	M
USLKG 35	C	C	C	M
USLKG 50	C	C	C	M
USLKG 95	C	C	C	M
UT 4	C	C	P	M
UT 4 BU	C	C	P	M
UT 4 YE	C	C	P	M
UT 4-MTD BU	C	C	P	M
UT 4-MTD-PE	C	C	P	M
UTTB 2,5	C	C	C	M
UTK 35	C	C	C	M
UXKK 4	C	C	C	M
VBSN 4 FS ....	C	C	C	M
VBST 4 FS / FS	C	C	C	M
VIOK 1.5	C	P	C	M
VIOK 1.5-2D	C	P	C	M
VIOK 1.5-3D/PE	C	P	C	M
VIOK 1.5-D/TG/D/PE	C	P	C	M
VIOK 1.5-LA	C	P	C	M
ZFDK 2.5	C	C	C	M
ZFDK -PE	C	C	C	M
ZFK 1.5	P			
ZFK 2.5 - PE	C	C		
ZFK 2.5 - PE / L / N	C	C		M
ZFK 2.5 - TWIN	C	C		M
ZFK 2.5 - TWIN - PE	C	C		M
ZFK 4	C	C	P	M
ZFK 4 - PE	C	C	P	M
ZFK 4 - TG	C	C	P	M
ZFK 6	C	C	C	M
ZFK 16	C	C	C	M
ZFK 14	C	C	C	M
ZFKK 2.5 (-MT)	C	C	C	M
ZFKN 4	C	C	C	M

SCHLEGEL				
	Markers mm	MG-CPM-04 41392 3x10	MG-CPM-04 41390N 5x10	MG-CPM-04 41395 5x10
IK...	P	P	P	P

SCHNEIDER ELECTRIC				
	Markers mm	MG-CPM-04 41390N 5x10	MG-CPM-04 41395 5x10	MG-CPM-04 41391 6x10
NSYTRV22 / PE	P	M		
NSYTRV42 / PE	C		M	
NSYTRV62 / PE	C			M
NSYTRV102 / PE	C			
NSYTRV162 / PE	C			
NSYTRV352 / PE	C			
NSYTRV502 / PE	C			
NSYTRV702	C			
NSYTRV23 / PE	P	M		
NSYTRV24 / PE	P	M		
NSYTRV43 / PE	C		M	
NSYTRV44 / PE	C		M	
NSYTRV24D / PE	P	M		
NSYTRV44D / PE	C		M	
NSYTRV26T / PE	P	M		
NSYTRV26TC	P	M		





WAGO										
	Markers mm									
	MG-CPM-01 41092 3x10	MG-CPM-01 41090N 5x10	MG-CPM-01 41091N 5x15	MG-CPM-01 41094 5x7	MG-CPM-02 41100N 5x10	MG-CPM-03 41291 5x10	MG-CPM-04 41300N 5x10	MG-CPM-12 46391 4.2x6	MG-CPM-12 46390 4.2x9	STF
280-906				P	M	C		M		
280-907				P	M	C		M		
280-912				P	M	C		M		
280-946				P	M	C		M		
281-601				C	C			M		
281-604				C	C			M		
281-607				C	C			M		
281-611				C	C			M		
281-631				C	C			M		
281-652				C	C			M		
281-653				C	C			M		
281-654				C	C			M		
281-657				C	C			M		
281-659				C	C			M		
281-660				C	C			M		
281-663				C	C			M		
281-664				C	C			M		
281-666				C	C			M		
281-668				C	C			M		
281-678				C	C			M		
281-679				C	C			M		
281-681				C	C			M		
281-683				C	C			M		
281-684				C	C			M		
281-685				C	C			M		
281-686				C	C			M		
281-687				C	C			M		
281-901				C	C			M		
281-902				C	C			M		
281-903				C	C			M		
281-904				C	C			M		
281-905				C	C			M		
281-906				C	C			M		
281-907				C	C			M		
281-912				C	C			M		
282-601				C	C			M		
282-604				C	C			M		
282-607				C	C			M		
282-681				C	C			M		
282-682				C	C			M		
282-684				C	C			M		
282-687				C	C			M		
282-901				C	C			M		
282-902				C	C			M		
282-904				C	C			M		
282-907				C	C			M		
283-602				C	C			M		
283-604				C	C			M		
283-607				C	C			M		
283-609		C		C		MF	MF	M		
283-671				C	C			M		
283-672				C	C			M		
283-674				C	C			M		
283-677				C	C			M		
283-901				C	C			M		
283-902				C	C			M		
283-904				C	C			M		
283-907				C	C			M		
284-601				C	C			M		
284-604				C	C			M		
284-607				C	C			M		
284-681				C	C			M		
284-682				C	C			M		
284-684				C	C			M		
284-687				C	C			M		
284-901				C	C			M		
284-902				C	C			M		
284-904				C	C			M		
284-907				C	C			M		
285-601				C	C			M		
285-605				C	C			M		
698-281				C	C			M		
150-603							S			
290-681				P	M	C				
750-xxx	S	S	C	S				M		

WAGO										
	Markers mm									
	MG-CPM-01 41092 3x10	MG-CPM-01 41090N 5x10	MG-CPM-01 41091N 5x15	MG-CPM-01 41094 5x7	MG-CPM-02 41100N 5x10	MG-CPM-03 41291 5x10	MG-CPM-04 41300N 5x10	MG-CPM-12 46391 4.2x6	MG-CPM-12 46390 4.2x9	STF
769-237	S	S	C	S				M		
769-176	C		C	S				M		
775-641								M		
777-641								M		
870-501	S		C	S			C	M		
870-507	S		C	S			C	M		
870-531	S		C	S			C	M		
870-538	S		C	S			C	M		
870-551	S		C	S			C	C		
870-567	S		C	S			C	C		
870-831	S		C	S			C	C		
870-901	S		C	S			C	C		
880-901	S		C	S	P	M	S			
AKZ 4. / AKB 4...	C	C	C	C	M					
DLA 2.5	C	C	C	C	M					
DLD 2.5	C	C	C	C	M					
DLI 2.5	C	C	C	C	M					
EK 2.5	C	C	C	C	M					
EK 6	CP	CP	CP	CP	M					
EK 10	C	C	C	C	M					
EK 16	C	C	C	C	M					
EK 35	C	C	C	C	M					
EW15	C	C	C	C	M					
EW35	C	C	C	C	M					
EWK1	C	C	C	C	M					
EWK2	C	C	C	C	M					
IAK 1.5N 3L	S	S	S	S	M					
IDK 1.5	S	S	S	S	M					
IDK 1.5N	S	S	S	S	M					
IDK 1.5N/V	S	S	S	S	M					
IDU 1.5N	S	S	S	S	M					
IDU 2.5N	C	C	C	C	M					
IEK 1.5N	S	S	S	S	M					
IHK 1.5N	S	S	S	S	M					
IPE 1.5N	S	S	S	S	M					
WAGO I/O SYSTEM 750							P			
Serie 870/X-Com/TJS/264							P			

WEIDMÜLLER

	Markers mm									
	MG-CPM-01 41092 3x10	MG-CPM-01 41090N 5x10	MG-CPM-01 41091N 5x15	MG-CPM-01 41094 5x7	MG-CPM-02 41100N 5x10	MG-CPMF-43094 5.2x10.5	MG-TR 45094 17x40	MG-TR 45098 7.5x40		
AKZ 4. / AKB 4...	C	C	C	C						
A4C...	C	C	C	C						
AIO22.....	C	C	C	C						
DLA 2.5	P	C	C	C						
DLD 2.5	P	C	C	C						
DLI 2.5	P	C	C	C						
EK 2.5	C	C	C	C						
EK 6	CP	CP	CP	CP						
EK 10	C	C	C	C						
EK 16	C	C	C	C						
EK 35	C	C	C	C						
EW15	C	C	C	C						
EW35	C	C	C	C						
EWK1	C	C	C	C						
EWK2	C	C	C	C						
IAK 1.5N 3L	S	S	S	S						
IDK 1.5	P	S	S	S						
IDK 1.5N	P	S	S	S						
IDK 1.5N/V	P	S	S	S						
IDU 1.5N	P	S	S	S						
IDU 2.5N	P	P	C	C						
IEK 1.5N	P	S	S	S						
IHK 1.5N	P	S	S	S						
IPE 1.5N	P	S	S	S						
IPE 2.5N	C	C	C	C						
ITR 1.5N	S	S	S	S						
LP2N 5.08/06/90 3.2SN OR BX	C									



WEIDMÜLLER										
	Markers mm									
	MG-CPM-01-41092	3X10		MG-CPM-01-41090N	5x10		MG-CPM-01-41091M	5x15		
				MG-CPM-01-41094	5x7		MG-CPM-02-41150N	5x10		
				STF-01-42807	agialco		MG-CPMF-43394	5,2x105		
				MG-TAR-45094	17x40		MG-TAR-45098	7,5x40		
ZDU 6	CP	CP	CP							
ZDU 10 NT	C	C	C							
ZDU 16/3AN	C	C	C							
ZDU 35	C	C	C							
ZDUA 2.5-2 (E)	P	C	C							
ZDUA 2.5-2 (E) BL	P	C	C							
ZDUB 2.5 / 2-2/4AN	P	C	C							
ZDUB 2.5 / 2AN	P	C	C							
ZDUB 2.5-2/2AN	P	C	C							
ZIA 1.5/.....	C	C	C							
ZK3S	C	C	C							
ZKB	C	C	C							
ZKS	C	C	C							
ZPE 2.5/4AN	P	C	C							
ZPE 2.5	P	C	C							
ZPE 2.5/3AN	P	C	C							
ZPE 2.5/3AN/E	P	C	C							
ZPE 2.5/4AN	P	C	C							
ZPE 2.5/4AN/E	P	C	C							
ZPE 2.5/E	P	C	C							
ZPE 2.5-2 (E)	P	C	C							
ZPE 2.5-2/3AN	P	C	C							
ZPE 2.5-2/3AN/E	P	C	C							
ZPE 2.5-2/4AN	P	C	C							
ZPE 35	C	C	C							
ZPEA-2/E	C	C	C							
ZRV 1.5	P	C	C							
ZRV 1.5PE	C	C	C							
ZSI 2.5	P	C	C							
ZSI 2.5/2	P	C	C							
ZSLD 2.5/1.5	P	C	C							
ZTR 2.5	P	C	C							
ZTR 2.5 D	P	C	C							
ZTR 2.5/3AN	P	C	C							
ZVL 1.5 ....	P	C	C	C						

WIELAND										
	Markers mm									
	MG-CPM-05-41490	5x10		MG-CPM-06-41494	5x10		STF-03-42805			
WT 2,5	P	M	M							
WT 4	C	C	M							
WT 6	C	C	M							
WT 10	C	C	M							
WT 16	C	C	M							
WTP 2,5/4	P	M	M							
WTP 6/10	C	C	M							
WK 2,5/ U	P	M	M							
WK 4/ U	C	C	M							
WK 6/ U	C	C	M							
WK 8/ U	C	C	M							
WK 10/ U	C	C	M							
WK 25/ U	C	C	M							
WK 35/ U	C	C	M							
WKFN 16/35	C	C	M							
WKFN 2,5 D	C	C	M							

WOERTZ										
	Markers mm									
	MG-CPM-01-41092	3X10		MG-CPM-01-41090N	5x10		MG-CPM-02-41150N	5x10		
				MG-CPM-01-41094	5x7		MG-CPM-11-46392	6x12		
30544 / 4 V	C	C	C	C	C					
30544 / 6 V	C	C	C	C	C					
30544 / 10 V	C	CP	CP	CP	CP					
30800	C	C	C	C	C					
30840										
30841	C	C	C	C	C					
30842	C	C	C	C	C					
30843	C	C	C	C	C					
30844	C	C	C	C	C					
3430	C	C	C	C	C					
35310/4V	C	C	C	C	C					

# QUALITY

## INDELIBILITY

### CEI EN 60950-1

Information technology equipment - Safety

Part 1: General requirements

#### § 1.7.11 Durability

Compliance is checked by inspection and by rubbing the marking by hand for 15 s with a piece of cloth soaked with water and again for 15 s with a piece of cloth soaked with Hexane.

After this test, the marking shall be legible; it shall not be possible to remove marking plates easily and they shall show no curling.

### CEI EN 61010-1 Ed.2 equivalent to VDE 0411-1

Safety indications for electric devices

for measurement, control and laboratory use

Part 1: General indications

This regulation requires that both material and the print shall withstand cleaning with chemical agents commonly used in industry.

By rubbing manually by hand, without excessive pressure, for 30 seconds with a cloth soaked in the specific detergent or, if not specified, Isopropyl Alcohol.

## CEMBRE INTERNAL TEST

This test was created to simulate cleaning with chemical products commonly used on various surfaces.

By wiping with a cloth soaked in 95% Ethanol 30 times and making a visual inspection after every 10 passes.

## SALINE MIST

### EN ISO 9227

Environmental Testing

Part 2: Tests - Test Ka: Salt mist

The test methods listed by the standard are the following:

- Concentration of  $50 \pm 5$  g/l of Sodium Chloride;
- pH of the solution between 6.5 and 7.2;
- Temperature inside the cabin  $35 \pm 2^\circ\text{C}$ .

Self-adhesive media are applied to plastic surfaces, while cable markers are applied to cables with PVC insulation.

After the test, the samples must undergo a visual examination and, if necessary, electrical and mechanical controls as required by appropriate regulations. At the end of the test, the print should still be legible.

## CEMBRE

## Test methods

conforming to the edition of the standard current at the time of testing

## RESISTANCE TO SOLVENT VAPOUR

### CEI EN 60464-2

Resistance to solvent vapour is verified by the condition of the test sample following exposure.

The standard requires the sample to be placed in a container of the specified solvent.

The test samples must be suspended vertically with the lower edge around

150 mm above the surface of the test solvent. During the exposure, the liquid must not evaporate completely and, if necessary, must be topped up. The temperature of the test solvent must be  $23 \pm 2^\circ\text{C}$  and the duration of exposure must be  $168\text{h} \pm 1$  (seven days). After removal from the container, each test sample must be examined to determine whether there has been any change in appearance, loss of adherence of the sub layer, exfoliation, detachment, bulging or other signs of deterioration.

Solvents used by Cembre are: Acetone (not for PVC material), Ethanol, Hexane

Excepting PET transparent material.

## RESISTANCE TO ABRASION

### DIN 30643

This standard specifies a test method to determine resistance to rubbing and abrasion of printed flat surfaces that are exposed to mechanical forces such as rubbing and chemical stresses such as cleaning fluids.

After testing the print should be legible to the naked eye.

The following materials printed with the MG2-EPTR 991611 Premium Black Ribbon are certified DIN 30643-A-S-3:

- Rigid flat White PVC  
MG-TAP, MG-TAA, MG-TAR, MG-DOG, MG-PTS, MG-PTSA, MG-ETF,  
MG-TPMF, MG-TAPW, MG-PLC, MG17.5-R, MG2-17.5-R, MG17.5-A, MG2-17.5-A,  
MG-VRT-R, MG2-VRT-R, MG-VRT-AH, MG2-VRT-AH, MG-SIGNS-A, MG-CPMF.
- Rigid flat White Polycarbonate  
MG-TAA-HF, MG-TAP-HF, MG-PTS-HF, MG-PTSA-HF, MG-ETF-HF,  
MG-TPMF-HF, MG-DOG-HF, MG-VRT-A-HF, MG2-VRT-A-HF,  
MG-VRT-AH-HF, MG2-VRT-AH-HF
- White Polycarbonate  
MG-CPM, MG-TDM, MG2-TDMO
- White PVC film  
MG-VYT, MG2-VYT, MG-17.5-VY, MG-17.5-SB, MG-SIGNS-VY,  
MG-CPMFA
- White Polyester film  
MG-PYT, MG-17.5-PY, MG-SIGNS-PY
- Yellow PVC coated fabric  
MG-VCT

## QUALITY

**UV RESISTANCE****EN ISO 4892-2**

Methods of exposure to laboratory light sources

**Part 2: Xenon arc lamps**

Exposure to artificial laboratory light, in Solarbox model 1500E.

The properties of the material and the legibility of the print are verified after the test.

- *Temperature of black panel: 65°C ± 3°C*
- *Exposure: continuous*
- *Radiation: 550 W/m<sup>2</sup>*
- *Xenon 1500 W lamp*
- *Borosilicate 280 mm filter (outdoor)*
- *External testing temperature: 20°C ± 5°C*

**EFFECT OF AGEING****CEI 16-7**

Elements to identify terminals and cable endings

**Paragraph 7.4 Thermal tests**

20 samples per type and size are used, applied on cylindrical steel barrels approx. 100 mm long: 10 of the minimum diameter and 10 of the maximum diameter of the cable used with the element. The samples are then located in a climatic chamber and held for 5 hours at the maximum usage temperature expected, then left to cool to room temperature.

At the end of the test, all of the samples should show substantial dimensional stability. None of the samples, especially those in temperature regulating material, should have breaks or cracks.

Small deformations are allowed. Where applicable, it should be possible to remove and replace elements tested in holders.

Conformity is verified by visual examination.

**EFFECT OF IMMERSION IN LIQUID CHEMICALS****UNI EN ISO 175**

Test methods to determine the effects of immersion in chemicals

The standard specifies methods for exposing plastic test samples to liquid chemical agents and for determining changes in characteristics caused by this exposure. It includes the immersion test for 24 hours of the entire surface of the test sample and applies to all solid plastic materials, submitted in the form of printed or extruded materials, plates, pipes, bars or sheets with a thickness greater than 0.1 mm.

The test samples are completely immersed in a test liquid for a specified time and temperature.

Their characteristics are determined before immersion, after removal from the liquid and after drying.

The test methods specified are the following:

- Changes in mass, dimensions and appearance, immediately after removal from the liquid and after drying
- Change in the physical characteristics (mechanical, thermal, optical, etc.) immediately after removal from the liquid and after drying.
- The quantity of liquid absorbed.

Chemicals used by Cembre: Hydrochloric acid, Nitric acid, Hydrofluoric acid

# NOTES



# Cembre



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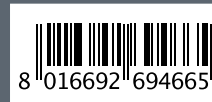
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