

EMI Self-Closing Shielding Wrap

Specifications:

- Product name: Self-closing shielding wrap
- Material: Tinned copper, copper foil, PPS, Nomex
- Working temperature: $-40^{\circ}\text{C} \sim +150^{\circ}\text{C}$
- Colour: Tinned colour+a white mark line
- Characteristics and application: The product has shielding property, its side is open self-closing structure. It is easy to be installed and maintain. It is widely used for electromagnetic shielding protection for railway wire harnesses.
- Remark: SCT2570-50 is splice by sewing.
- Flammability: BS6853 Ia, NF F16 101 F1
- Shielding effectiveness: GB/T 301422013 GB/T 12190-2006
- Conforms to EN45545



Product Information:

Mainly used in electric control cabinets, especially for railway control cabinet, it is used for shielding the electromagnetic interference. The split design is convenient for maintenance and overhaul. With the Aramid Fiber properties, this Oversleeve has Ultra-Strength and is Heat-resistant / Flame-resistant with a working temperature of -40°C to $+150^{\circ}\text{C}$.

This wraparound's self-wrapping, low profile and flexible design fit tightly to wire harnesses making it an ideal bundling solution in restricted areas without affecting the flexibility of the components it protects. Its inherent flexibility allows it to conform to irregular shapes and contours.

It allows for the fast and easy building of wire and cable assemblies, it allows for easy breakouts and can be installed on completed assemblies due to its open design.

It provides flexibility, spring back and high resistance to abrasion. It is designed to protect wiring, cables, pipes, hoses and foam insulation from mechanical degradation arising from exposure to touch conditions in vibrating installations.

Physic property	Reference standard	Results
Aging temperature	100°C/20H	No deformation,no breakage of metal wire,no burrs.
▽Shielding efficiency	GB/T 30142-2013	Refer to the report,only for information.
▽Flammability	EN45545-2	Conforms to R22/R23, grade HL3
Immersion test	EN 6059-309	No visible change on appearance
Cables match	110°C/150KPa in Saturated hot and humid steam for 48H	-- (Refer to the report,only for information.)

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I. Description of Test specimens

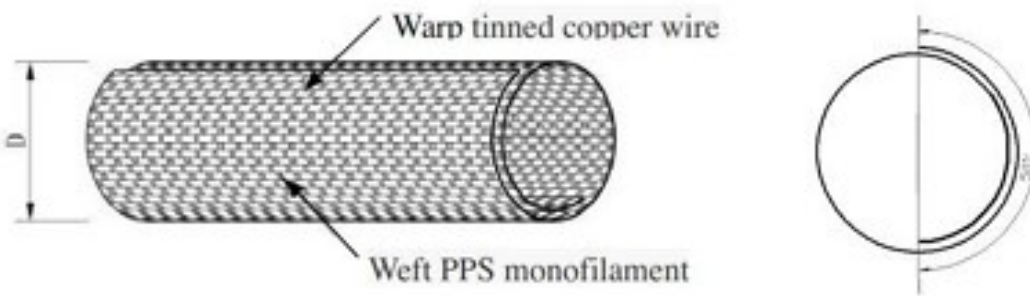
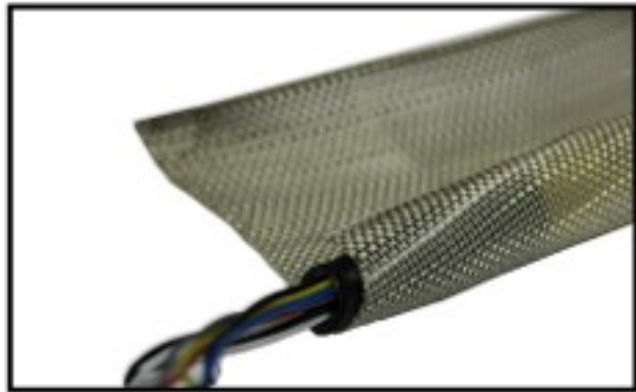
Sample description	Wrap
Color	Silver
Thickness	About 0.6 mm
Exposed (test) surface	One surface
Size of specimens	T01 EN ISO 4589-2: About 140mm×52.0mm×0.6mm Type: V
	T10.03 EN ISO 5659-2: About 75mm×75mm×0.6mm
	T12 NF X70-100-1&-2: 1, <u>0.9999g</u> 2, <u>0.9996g</u> 3, <u>0.9999g</u>

II. Summary of test results

Requirement set (used for)	Test method reference	Parameter Unit	Test results *
R22 (IN16; EL2; EL6A; EL7A; M2)	T01 EN ISO 4589-2: OI	Oxygen content %	36.3
	T10.03 EN ISO 5659-2: 25 kW/m ²	Ds max. dimensionless	0.28
	T12 NF X 70-100-1 and -2 600°C	CIT _{NLP} dimensionless	0.22
R23 (EX12; EL2; EL5 EL6B; EL7B; M3)	T01 EN ISO 4589-2: OI	Oxygen content %	36.3
	T10.03 EN ISO 5659-2: 25 kW/m ²	Ds max. dimensionless	0.28
	T12 NF X 70-100-1 and -2 600°C	CIT _{NLP} dimensionless	0.22

Version	Modification content	Reviser	Date
A1	First edition released	Bosen Long	2020-10-26
A2	Add material information	Bosen Long	2022-03-08
A3	Add the characteristic symbol "▽" and modify the meaning of "☆"	Mali Xu	2024-11-04

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I.D. D (MM)	Overlap %	Max. bundle range (mm)	Packing (M/Roll)
5.0	50%	6	100
8.0		9	100
10.0		11	100
13.0		14	50
16.0		17	50
19.0		20	25
25.0		27	25
29.0		31	25
32.0		34	25
38.0		40	25
50.0	52	25	