

HZ-100 - Heat shrinkable, low fire hazard flexible tubing



Features & Benefits

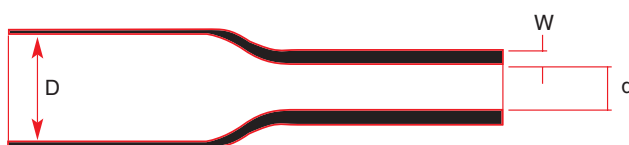
- Low smoke emission
- Shrink ratio 2:1
- Operating temperature range -40°C to +105°C

Specifications

Meets the flammability requirements of UL224

Standard Colours & Colour Codes

Black - 0	Green - 5
Red - 2	Blue - 6
Yellow - 4	White - 9



The largest size which will recover snugly over the component to be covered should be ordered.

The wall thickness of the tubing will be less than specified if recovery is restricted during shrinkage.

Other lengths, sizes and non-standard colours may be available subject to special orders.

Applications

Hilltop's HZ-100 is a flexible thin walled heat-shrinkable tubing. The material contains no added halogens, exhibits excellent fire safety characteristics combined with low evolution of acid gases, whilst retaining good mechanical and fluid-resistant properties.

Uses include insulation and protection of cables, for lightweight harness jackets and electrical and electronic components used in enclosed spaces, such as marine, mass transit systems and offshore installations, or where equipment would be irreparably damaged by corrosive products of combustion.

Inside Diameter		Wall Thickness	Standard Package		
D	d	W	Spool Quantity	1.22m Length Quantity	
Expanded as supplied (min)	Recovered after heating (max)	Total Wall recovered after heating (nom)			
mm	mm	mm	mtrs	mtrs	ORDERING DESCRIPTION
3.2	1.6	0.50	150	60	HZ-100-3.2/1.6-colour code-SP
4.8	2.4	0.50	150	60	HZ-100-4.8/2.4-colour code-SP
6.4	3.2	0.65	75	30	HZ-100-6.4/3.2-colour code-SP
9.5	4.8	0.65	75	30	HZ-100-9.5/4.8-colour code-SP
12.7	6.4	0.65	75	30	HZ-100-12.7/6.4-colour code-SP
19.0	9.5	0.75	30	60	HZ-100-19.0/9.5-colour code-SP
25.4	12.7	0.90	30	30	HZ-100-25.4/12.7-colour code-SP
38.0	19.0	1.00	30	-	HZ-100-38.0/19.0-colour code-SP
51.0	25.4	1.15	30	-	HZ-100-51.0/25.4-colour code-SP

Test

Test Method

Typical Performance

Oxygen Index:	ISO 4589 Part 2	32 (min)
Oxygen Index at elevated temp.	ISO 4589 Part 3	250 (min)
Smoke Index:	BS 3G 198-3 Annex B	20 (max)
Combustion products index:	BS 3G 198-3 Annex C	5 (max)
Acid gas generation:	IEC 754-2	pH 4.3 to 10.5 Conductivity 10 (max)
Flammability:	ASTM D876	Duration of burning 30 s (max)