



Wraparound Heat Shrink Sleeves



Product Description:-

3M's reinforcement heat shrink splice closure system is designed to provide excellent split Resistance, environmental and mechanical protection for cable joints. The sleeves are made from a polyolifine material, polyethylene layers, an aluminum layer for moisture vapour transmission and hot melt adhesive on the inner surface.

The sleeves are supplied in wraparound form along with stainless steel channels to make the sleeves cylindrical prior to shrinking. On application of heat, the inner adhesive layer melts and bonds to the cable surface to provide a waterproof seal.

Features and Benefits

- Quick and easy installation
- Maximum protection against mechanical stress
- Good bonding to standard cable jacket materials
- For outer jacketing on cables from 1.1kV to 33kV
- Excellent performance in harsh environmental conditions
- Hot melt adhesive forms a durable, moisture resistant seal

Application

3M™ Wraparound Heat Shrink Sleeves are designed to quickly install on cable for re-jacketing. They may also be used to repair re-jacketing on the cable. Wraparound sleeves can be used as a outer sealing jacket on cable joints from 1.1kV to 33kV.

The design of the wrap sleeve allows it to be installed in tight spaces with ordinary heating equipment such as a torch.

Technical Features

3M™ Wraparound sleeves are made from modified cross-linked polyolefin, with a hot-melt adhesive liner on the inner side of the sleeve. Upon heating, the sleeve shrinks and the adhesive melts, creating a water-tight bond between the sleeve and the cable. A corrosion proof metal channel is used to close the sleeve during installation.

TECHNICAL SPECIFICATION	
PROPERTIES	VALUE
Physical	
Tensile Strength	8 N/mm ² Min.
Ultimate Elongation	100% (Min.)
Longitudinal change	10% Max.
Water absorption	0.5 (Max.), 24 hr. @25°C 1.0 (Max.), 24 hr. @50°C
Thermal	
Thermal Ageing	500 hours Min. at 120±3°C
Tensile Strength	8 N/mm ² Min.
Ultimate Elongation	100% (Min.)
Low temperature Flexibility	No cracking after 4 hours at minus 20°C Max.
Heat shock	No splitting, cracking or flowing after 30mins at 200°C
Electrical	
Electric Strength	10 MV/metre Min.
Volume resistivity	10 ¹⁰ ohm metres Min.
Relative Permittivity	2 Min. to 5 Max.

Sizes & Dimensions

Sr. No.	Tube Description	Application Range	
		Diameter (Min.)	Diameter (Max.)
1	WRAP AROUND SLEEVE-52/10	12	42
2	WRAP AROUND SLEEVE-76/22	26	61
3	WRAP AROUND SLEEVE-120/34	40	96
4	WRAP AROUND SLEEVE-122/38	45	98
5	WRAP AROUND SLEEVE-140/42	50	112
6	WRAP AROUND SLEEVE-160/50	60	128
7	WRAP AROUND SLEEVE-200/60	72	160

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