



J. M. Engineering Co.

PRODUCTS

Heat Shrink Sleeves

Single Wall Heat Shrink Sleeves



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RSFRNH-BTM

Medium Voltage Cross-linked Polyolefin Bus-Bar Tubing

RSFRNH-BTM is made from specially formulated radiation cross-linked halogen free compounds. It can provide high resistance to tracking and arcing, as well as to enhance the insulation properties of bus-bar in switchgear and substation. Suitable for application in insulating medium voltage bus bars, cable termination and joints from 1KV to 24KV.



Features

- Flame Retardant
- Reduces bus bar clearance requirements
- Protect against accidental flashover
- Anti-track
- Halogen free
- Tested to IEC60684 standards for medium voltage switch-gear applications to above 20KV
- Continuous Operating Temperature:
-40 to 110 , can be used in 175
- Shrink Temperature:120

Technical Data

Physical

Property	Test Method	Standard Performance	Typical Performance
Tensile strength	IEC 60684	8Mpa	10.5 Mpa
Elongation	IEC 60684	400%	550%
Heat Aging tensile strength	150 168h	5Mpa	9.5 Mpa
Heat Aging elongation	150 168h	200%	450%
Heat shock	225 4h	no cracking or flowing	no cracking or flowing
Flammability	IEC 60684	Passed	Passed
Low temperature Flexibility	-40 4h	no cracking	no cracking

Electrical

Property	Test Method	Standard Performance	Typical Performance
Dielectric Strength	IEC 60684	20KV/mm	23kv/mm
Volume Resistivity	IEC 60684	1×10 ¹³ •cm	2×10 ¹⁴ •cm
Tracking(2.5kv,60min)	IEC 60684	no cracking	no cracking

Selection Table

Normal size (mm)	As supplied/mm	After recovered/mm		Standard length m/Roll
	Inside diameter (Min)	Inside diameter(Max)	Wall thickness (Min)	
20/6	20	6	2.2± 0.3	25
28/9	28	9	2.6± 0.3	25
33/10	33	10	2.8± 0.3	25
40/12	40	12	2.8± 0.3	25
45/14	45	14	3.0± 0.3	25
55/16	55	16	3.0± 0.3	25
65/19	65	19	3.0± 0.3	25
75/22	75	22	3.0± 0.3	25
85/25	85	25	3.2± 0.3	25
95/30	95	30	3.2± 0.3	25
115/34	115	34	3.3± 0.3	25
130/36	130	36	3.3± 0.3	25
160/50	160	50	3.3± 0.3	25
180/56	180	56	3.3± 0.3	25