Flexible flame-retardant polyolefin heat shrink tubing

FITCOTUBE® FT-SNV-U(35)

Mid wall, flame retardant and halogen-free tube for insulation of round and rectangular busbars (range 6kV up to 36 kV).

Operating temperature: -40 to +105° C

Shrink temperature: +125 °C

Shrink ratio: 2.5:1

Standard color: Red

Description	Bus bar, single layer, L+T (mm)	Bus bar, double layer, L+T (mm)	Inner diameter (mm)		Wall thickness (mm)	Spool length (m)
	min.	min.	min.	max.	nom.	
FITCOTUBE® FT-SNV-U(35) 25/10	20x3, 25x3		25	10	3.5	15
FITCOTUBE® FT-SNV-U(35) 30/12	30x3, 30x4	20x3, 25x3	30	12	3.6	15
FITCOTUBE® FT-SNV-U(35) 40/16	30x10, 40x4	30x3, 30x4	40	16	3.6	15
FITCOTUBE® FT-SNV-U(35) 50/20	40x10, 50x5, 50x6	30x10, 40x	50	20	3.6	15
FITCOTUBE® FT-SNV-U(35) 65/25	50x8, 50x10, 60x6, 60x8	40x10, 50x5, 50x6	65	25	3.6	15
FITCOTUBE® FT-SNV-U(35) 75/30	60x10, 80x6, 80x8, 80x10	50x8, 50x10, 60x6, 60x8	75	30	3.7	15
FITCOTUBE® FT-SNV-U(35) 85/35	60x10, 80x6, 80x8, 80x10	50x8, 50x10, 60x6, 60x8	85	35	3.7	15
FITCOTUBE® FT-SNV-U(35) 100/40	100x8, 100x10, 100x12	60x10, 80x6, 80x8, 80x10	100	40	3.7	15
FITCOTUBE® FT-SNV-U(35) 120/50	100x8, 100x10, 100x12	100x8, 100x10, 100x12	120	50	3.8	15
FITCOTUBE® FT-SNV-U(35) 150/60	150x12, 150x15		150	60	3.8	15
FITCOTUBE® FT-SNV-U(35) 175/75		150x12, 150x15	175	75	3.8	15

Special sizes on request

Also available with adhesive liner on request

Processing note: Care for clean and straight cutting edges. Start shrinkage on the end.
Pre-heat metal body.

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Properties	Test Method	Typical Value
Thermal		
Thermal Endurance	IEC 216	≥ +105° C
Tensile strength after long term aging (168h x +136°C)	ASTM D 2671	≥ 12 MPa
Elongation after long term aging (168h x +136°C)	ASTM D 2671	≥ 300 %
Elongation after long term aging (3000h x +100°C)	IEC 60684-2	≥ 175 %
Low temperature flexibility (4h x -40°C)	ASTM D 2671	No cracking
Heat shock (4h x +200°C)	ASTM D 2671	No drop, no flow, no cracking
Copper corrosion (168h x +150°C)	IEC 60684-3-283	No corrosion
Mechanical		
Tensile strength	ASTM D 2671	≥ 14 MPa
Ultimate elongation	ASTM D 2671	≥ 400 %
Specific density	ASTM D 2671	1.0 – 1.2 g/cm³
Electrical		
Dielectric strength	ASTM D 2671	≥ 16 kV/mm
Volume resistance	ASTM D 2671	≥ 10^{13} Ωxcm
Tracking and erosion resistance	ASTM D 2303	No tracking after 1h at 2.5kV or 1h at 2.75kV
Chemical		
Water absorption (336h x +23°C)	ASTM D570	≤ 1.0 %
Fluid resistance (168h x +23°C) Tensile strength Breakdown elongation	IEC 60684-2	 ≥ 8 MPa ≥ 250 %
Color stability (Sunlight/UV)	IEC 60684-3-283	Stable color, no change

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