RSFRNH-BTM

Medium Voltage Cross-linked Polyolefin Bus Bar Tubing

- Flame Retarded
- 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 10℃ ,can be used in 175℃
- Shrink Temperature:120℃

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.

Selection Table

Normal size (mm)	As supplied/mm	After recovered/mm		Standard length m/Roll
	Inside diameter (Min)	Inside diameter(Max)	Wall thickness (Min)	
Φ20/6	20	6	2.2±0.3	25
Φ28/9	28	9	2.6±0.3	25
Φ33/10	33	10	2.8±0.3	25
Φ40/12	40	12	2.8±0.3	25
Φ45/14	45	14	3.0±0.3	25
Φ55/16	55	16	3.0±0.3	25
Φ65/19	65	19	3.0±0.3	25
Φ75/22	75	22	3.0±0.3	25
Φ85/25	85	25	3.2±0.3	25
Φ95/30	95	30	3.2±0.3	25
Φ115/34	115	34	3.3±0.3	25
Φ130/36	130	36	3.3±0.3	25
Φ160/50	160	50	3.3±0.3	25
Φ180/56	180	56	3.3±0.3	25

Technical Data

Physical

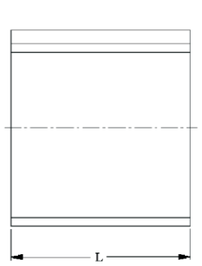
Property	Test Method	Standard Performance	Typical Performance
Tensile strength	IEC 60684	≥8Mpa	10.5 Mpa
Elongation	IEC 60684	≥400%	550%
Heat Aging tensile strength	150℃×168h	≥5Mpa	9.5 Mpa
Heat Aging elongation	150℃×168h	≥200%	450%
Heat shock	225℃×4h	no cracking or flowing	no cracking or flowing
Flammability	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	$\geq 1\times10^{13}\Omega\cdot cm$	$2\times10^{14}\Omega\cdot cm$
Tracking(2.5kv,60min)	IEC 60684	no cracking	no cracking

WRSXP

Heat Shrink Repair Sleeve



- Manufactured from polyolefin, inner coated with hot–melt adhesive
- Providing fast and permanent repair and sealing protection for power cables
- High tensile strength, abrasion and corrosion resistance
- A corrosion proof metal channel is used to close the sleeve during installation
- Shrink temperature: start at 90℃, and fully recovered at 130℃

Selection Table

Product No.	Inner Diameter/mm		After Recovered Wall Thickness (±0.2) /mm	Standard Length /mm
	As Supplied (Min)	After Recovered (Max)		
WRSXP–30/12	30	12	3.8	450–1000
WRSXP–40/14	40	14	3.8	450–1000
WRSXP–50/17	50	17	3.8	450–1000
WRSXP–60/23	60	23	3.8	450–1000
WRSXP–65/23	65	23	3.8	450–1000
WRSXP–80/35	80	35	3.8	450–1000
WRSXP–85/35	85	35	3.8	450–1000
WRSXP–100/35	100	35	3.8	450–1000
WRSXP–120/40	120	40	3.8	450–1000
WRSXP–150/50	150	50	4.0	450–1000
WRSXP–160/50	160	50	4.0	450–1000
WRSXP–195/70*	195	70	2.0	450–1000
WRSXP–240/90*	240	90	2.0	400–600
WRSXP–290/115*	290	115	2.0	400–600

Remark:*Repair sleeve without hot–melt adhesive is available upon request

Technical Data

Property	Test Method	Standard Value
Tensile Strength	ASTM–D–638	≥12MPa
Elongation at Break	ASTM–D–638	≥300%
Tensile Strength after Aging	ASTM–D–638	≥10MPa (130℃,168 hrs)
Elongation at Break after Aging	ASTM–D–638	≥230% (130℃,168 hrs)
Dielectric Strength	IEC 60243	≥15 kV/mm
Volume Resistivity	IEC 60093	$\geq 1\times10^{12}\Omega\cdot cm$
Longitudinal Shrinkage	ASTM–D–2671	≤10%
Water Absorption	ISO 62	≤0.5%
Eccentricity	ASTM–D–2671	≤30%