



BUSBAR INSULATION TUBING (LVIT)

VOLTAGE CLASS 1 kV, APPLICATION Ø 11 - 100 mm

KEY FEATURES

- Compatible with all other products in the low voltage insulation range
- Flame retardant
- Continuous operating temperature rating up to 105°C
- Suitable for indoor and outdoor applications
- Good thermal emissivity and contact with busbars
- Can be stored indefinitely at temperatures up to 50°C
- UL approved

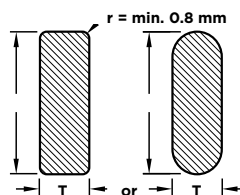
TE Connectivity's (TE) Raychem black, medium wall, flame retardant heat-shrinkable LVIT tubing is suitable for insulating busbars up to 1 kV. This highly flexible tubing can be used on a variety of curved and bent busbars of both circular and rectangular cross-section.

LVIT tubing can be easily installed in a factory environment using an oven or in the field using a gas torch or hot air. LVIT is manufactured in UV resistant material, making it suitable for both indoor and outdoor applications.

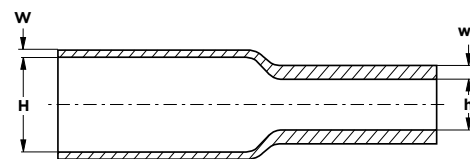
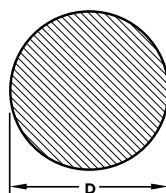
TE's Raychem LVIT tubing is suitable for both enclosed and exposed busbars and for connections in switchgear, substations, motor control centers and other electrical equipment.

Customers can count on consistent, high quality products, driven by TE's proven innovation and backed by our extraordinary customer support.

Busbar Insulation Tubing (LVIT)



* Drawing related to Product Selection Information chart.



* Drawings related to Ordering Information chart.

TECHNICAL INFORMATION

Properties	Test Method	Results
Thermal endurance	IEC 216	105°C min.
Low temperature flexibility	ASTM D267, Procedure C	No cracking after 4 hrs at -40°C
Flammability	IEEE 27, ANSI C37.20, IEC 332, BS 4066	Self-extinguishing 60 sec max.
Water absorption	ISO 62, ASTM D570	24 hrs at 23°C, 0.2% max.
Resistance to transformer oil	VDE 0370	168 hrs at 23°C
- Tensile strength		11 MPa min.
- Ultimate elongation		300% min.

Note: For further product specification information see PPS 3010/33.

PRODUCT SELECTION INFORMATION

Description	Rectangular Busbars L+T (mm)		Round Busbars D (mm)	
	min.	max.	min.	max.
LVIT-30/10-A/U-4	17	39	11	25
LVIT-75/25-A/U-4	39	86	27	55
LVIT-100/35-A/U-4	59	117	38	75
LVIT-150/50-A/U-4	86	157	55	100
LVIT-175/70-A/U-4	117	190	75	120
LVIT-235/105-A/U-4	190	280	120	180

ORDERING INFORMATION

Description	H min.	h max.	W nom.	w min.	UOM: roll of length (m)
LVIT-30/10-A/U-4	30	10	0,5	1,5	60
LVIT-75/25-A/U-4	75	25	0,5	1,5	30
LVIT-100/35-A/U-4	100	35	0,5	1,5	60
LVIT-150/50-A/U-4	150	50	0,5	1,5	30
LVIT-175/70-A/U-4	175	70	0,5	1,5	100
LVIT-235/105-A/U-4	235	105	0,5	1,5	25

Note: W, H = as supplied w, h = after free recovery. Maximum longitudinal change after free recovery: +5% -15%. Maximum eccentricity: 40% (as supplied). Fit the larger size of LVIT if two sizes fit the required application. Installation instructions EPP 0620 5/96 and Material Safety Data Sheet available on request.

TECHNICAL REPORT

UVR 8148 - Qualification report for LVIT
UVR 8153 - LVIT testing
UVR 8165 - Damp heat cycling on LVIT

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