



## BUSBAR INSULATION TUBING LVIT

VOLTAGE CLASS 1 kV, APPLICATION Ø 6.5 - 180 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 shrink 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.

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

The 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



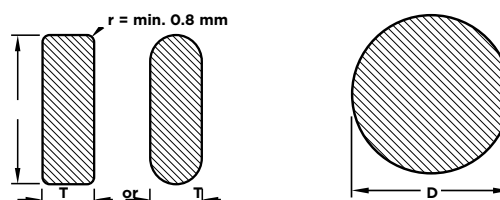
### TECHNICAL INFORMATION

Key Material Properties	Test Method	Results
<b>Physical</b>		
Thermal Endurance	IEC 216	105°C min.
Flammability	IEEE 27, ANSI C37.20, IEC 332, BS 4066	Self Extinguishing 60 sec max
Low Temperature Flexibility 4hrs at -40°C	ASTM D2671	No Cracking
Water absorption	ASTM D570	24 hrs at 23°C, 0.2% max.
Resistance to transformer oil - Tensile strength - Ultimate elongation	VDE 0370	168 hrs at 23°C 11 MPa (1600 psi) min. 300%

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

### PRODUCT SELECTION INFORMATION

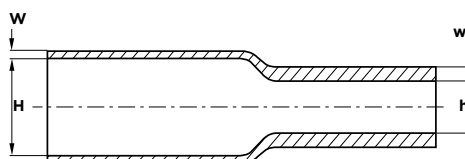
Description	Rectangular Busbars L+T (mm)		Round Busbars D (mm)	
	min.	max.	min.	max.
LVIT-15/6-A/U-4	12	18	6,5	12
LVIT-30/10-A/U-4	17	39	11	25
LVIT-50/20-A/U-4	36	65	22	43
LVIT-75/25-A/U-4	39	86	27	55
LVIT-100/35-A/U-4	59	117	38	75
LVIT-120/40-A/U-4	70	150	44	90
LVIT-150/50-A/U-4	86	157	55	100
LVIT-175/70-A/U-4	117	190	75	120
LVIT-235/105-A/U-4	190	280	120	180



\* Drawing related to Product Selection Information chart.

### ORDERING INFORMATION

Description	H min.	h max.	W nom.	w min.	UOM: roll of length (m)
LVIT-15/6-A/U-4	15	6	0,7	1,5	60
LVIT-30/10-A/U-4	30	10	0,5	1,5	60
LVIT-50/20-A/U-4	50	20	0,65	1,5	30
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-120/40-A/U-4	120	40	0,5	1,5	30
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



\* Drawings related to Ordering Information chart.

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	LVIT Product Qualification Report
EDR-5483	LVIT Product Performance Report
UVR-8165	Damp Heat Cycling on LVIT

### INSTALLATION INSTRUCTIONS

EPP-0620-5/96	Installation Instructions for Low Voltage Insulation Tubing (LVIT)
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