

### RITT

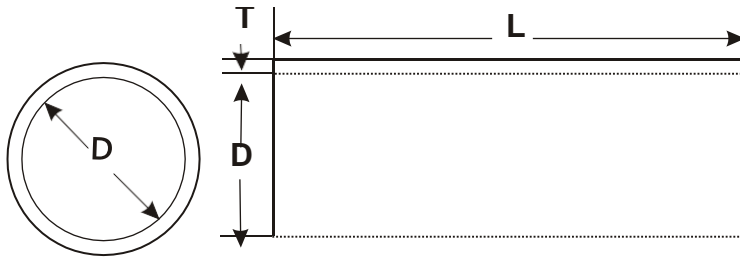


RITT is designed for all general applications such as insulation, strain relief of electrical installation.

This transparent thin wall tubing is particularly suitable where high tensile strength and good resistance to solvents and chemicals is important, used as Oil Barrier tube in PILC cables.

#### Features :-

Continuous operating temperature range -55°C to 125°C.  
Excellent Electrical properties.  
Excellent resistance to Chemical and Solvents



- All dimensions are in mm
- Drawing depicts typical dimensions
- E - as supplied
- S - after free recovery
- D - internal diameter
- L - Length as per requirement

#### PRODUCT DIMENSIONS - RITT

CODE	SIZE	D		T
		E	S	S
		Min	Max	± 20%
RITT	6.4/3.2	6.4	3.2	0.56
RITT	9.6/4.8	9.6	4.8	0.56
RITT	12.7/6.4	12.7	6.35	0.56
RITT	16/08	16	8	0.69
RITT	19/10	19	10	0.69
RITT	25/13	25	13	0.76
RITT	32/16	32	16	0.86
RITT	38/19	38	19	0.86
RITT	51/26	51	26	0.97
RITT	76/38	76	38	1.07
RITT	101/51	101	51	1.17
RITT	127/64	127	64	1.17

#### MATERIAL SPECIFICATION

#### Product Colour - Clear

Characteristics	Value	Test Method
<b>Physical Properties</b>		
Water absorption	0.5% (max)	ASTM D - 570/ ISO 62
Tensile strength	15 N/sqmm (min)	ASTM D - 412 / ISO 37
Ultimate elongation	300% (min)	ASTM D - 412 / ISO 37
Longitudinal Change	±5 %	QA/TP/51
Torching	No split	QA/TP/07
<b>Thermal Ageing Tests (120°C for 500hrs)</b>		
Tensile strength	10 N/sqmm (min)	ASTM D - 412 / ISO 37
Ultimate elongation	200% (min)	ASTM D - 412 / ISO 37
Brittleness temperature	- 40°C (min)	ASTM D - 2671
Heat Shock (30 min, 200°C)	No dripping or cracking	ASTM D - 2671
<b>Electrical Properties</b>		
Volume resistivity	1x10 <sup>12</sup> Ohm-cm (min)	ASTM D - 257 /IEC 93
Dielectric strength	20 kV/mm (min)	ASTM D- 149 /IEC 243
<b>Chemical Properties</b>		
Fungus resistance	1 (Max)	ASTM G - 21
Chemical resistance immersion in following liquids NaOH(40%), H2So4(3%),Toluene acetone for 24 hrs at room temp.	Good (No change in appearance)	ISO 175