



NTT Series

Non-Tracking Tube

Description

The Innovative Power Products NTT series nontracking tubing is ideally suited as an exterior component for indoor or outdoor medium voltage terminations rated 5 kV through 35 kV. The NTT tubing material has been factory engineered to provide outstanding nontracking performance in accordance with ASTM D2303. The NTT tubing also has superb U.V., SO₂ and ozone resistance. The NTT tubing is hydrophobic, allowing it to be electrically stressed along its surface, once installed. It provides a lightweight, flexible, nontracking outer surface for any insulating tubular surfaces subjected to the rigors of the environment and/or to electrical surface stress.

- **Lightweight and Flexible**
- **Available in Rust Red Only**
- **Indefinite Shelf Life**
- **Slim Profile**
- **Conforms to Underlying Contours**
- **Low Installed Cost**

Related Product Information

InnoFit™ Type NTT • Price List

For medium voltage terminator components see:

Page 31 for FCT (Field Control Tubing)

Page 33 for E Mod (Nontracking Sheds)

Page 32 for FCM and SMR (Sealants)

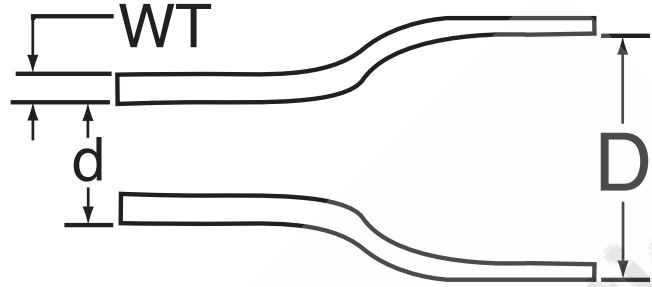


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Physical Properties

Specification	Test Method	Value (nom.)
Density	ISO/R1183-A	1.20 g/cm ³
Tensile Strength	ISO 37	8.0 MPa min.
Ultimate Elongation	ISO 37	200% min.
Low Temp. Flexibility	ASTM D-2671	0.5% max.
Longitudinal Change	MIL-I-23053	±10%

Electrical Properties

Specification	Test Method	Value (nom.)
Dielectric Strength	ICE 243	10kV/mm min.
Volume Resistivity	ASTM D257	2 x 10 ¹² ohm-cm

Chemical Properties

Fluid Resistance (24hrs @ 23°C)	Tensile Strength	1200 PSI min
	Tensile Strength	1200 PSI min

Selection and Ordering Information

Tubing Size	Inside Diameter		Wall Thickness Post Recovery WT	Standard Spool Length
	As Supplied "D"	After Recovery "d"		
NTT075	0.79 (20.0mm)	0.40 (10.0mm)	.055 (1.40mm)	100 feet
NTT100	1.00 (26.0mm)	0.50 (12.0mm)	.094 (2.40mm)	100 feet
NTT120	1.18 (30.0mm)	0.60 (15.0mm)	.102 (2.60mm)	100 feet
NTT175	1.78 (45.0mm)	0.79 (20.0mm)	.114 (2.90mm)	50 feet
NTT200	2.00 (50.0mm)	1.00 (25.0mm)	.118 (3.00mm)	50 feet
NTT250	2.55 (65.0mm)	1.18 (30.0mm)	.120 (3.10mm)	50 feet