

Heat Shrinkable Track-resistant Tubing

MWNT

Application

- Used for medium voltage up to 35kV.
- Suitable for cable termination and intermediate connecting insulation protection.

Feature

- Anti-tracking
- Excellent corrosion resistance
- UV resistance and weathering resistance
- Halogen-free
- Superior electrical and mechanical properties
- Shrinkage ratio 3:1

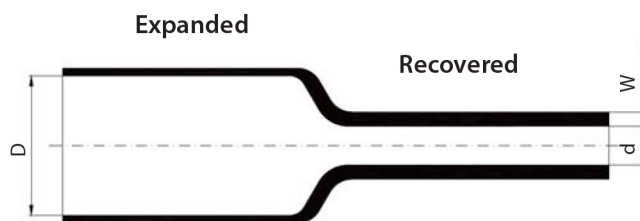
Color Standard: Red

Operating Temperature

- -40°C to +100°C

Type Test

- IEC 60684



Type	Application Diameter Range(mm)	Expanded(mm)		Recovered(mm)	
		D(min)	d(max)	W(min)	
MWNT 30/10	12-20	30	10	3	
MWNT 38/12	14-25	38	12	3	
MWNT 45/15	17-30	45	15	3	
MWNT 55/18	20-36	55	18	3	
MWNT 60/21	23-39	60	21	3.1	
MWNT 75/25	28-49	75	25	3.2	
MWNT 95/30	33-62	95	30	3.3	
MWNT 115/37	40-75	115	37	3.5	

Performance

Property	Test Method	Requirements
Longitudinal change	IEC 60684-2	+5% to -10%
Tensile strength	IEC 60684-2	> 10MPa
Elongation at break	IEC 60684-2	> 300%
Bending at low temperature	IEC 60684-2	-40°C No cracking
volume resistivity	IEC 60684-2	10 ¹² Ω.m
Dielectric strength	IEC 60684-2	> 14KV/mm Expanded ID 10-25mm
		> 12KV/mm Expanded ID 26-59mm
		> 10KV/mm Expanded ID 60-120mm
Resistance to tracking	IEC 60684-2	Class 2A
		2.5KV-1h
		2.75KV-1h
		3.0KV-1h 3.25KV-20min
Heat aging		
Tensile strength	IEC 60684-2	> 8MPa
Elongation at break	IEC 60684-2	> 200%
Heat shock		
Tensile strength	IEC 60684-2	> 8MPa
Elongation at break	IEC 60684-2	> 200%
Resistance to selected fluids		
Tensile strength	IEC 60684-2	> 8MPa
Elongation at break	IEC 60684-2	> 200%
Resistance to weathering		
Tensile strength	IEC 60684-2	> 8MPa
Elongation at break	IEC 60684-2	> 200%
Resistance to tracking	IEC 60684-2	Class 2A 2.5KV/1 hour