WDWT

Heat Shrink Semi-conductive/Insulation Dual Layer Tube

- The red inner layer is made of insulation material to provide good insulation.
- The black outer layer is made of semi-conductive material to provide electrical shielding.
- Suitable for applications in medium voltage cable joints up to 42 kV.
- Shrink temperature: start at 90℃, and fully recovered at 130℃.

Selection Table

Spec.	As Supplied/mm		After Recovered/mm		Standard Length /mm
	Inner Diameter Min	Wall Thickness (±20%)	Inner Diameter Max	Wall Thickness (±10%)	
WDWT-30/12	30	2.8	12	5.8	300-1000
WDWT-35/13	35	2.5	13	5.8	300-1000
WDWT-45/17	45	2.3	17	5.8	300-1000
WDWT-55/21	55	2.2	21	5.8	300-1000
WDWT-65/26	65	2.3	26	5.8	300-1000
WDWT-85/30	85	2.7	30	7.2	300-1000
WDWT-100/38	100	2.9	38	7.2	300-1000
WDWT-120/45	120	2.9	45	7.2	300-1000

Technical Data

Technical Data-Inner Insulation

Property	Test Method	Standard Value
Tensile Strength	ASTM-D-638	≥10MPa
Elongation at Break	ASTM-D-638	≥350%
Tensile Strength Variation After Heat Aging（130℃x168h)	ASTM-D-5510	≤±20%
Elongation at Break Variation After Heat Aging（130℃x168h)	ASTM-D-5510	≤±20%
Volume Resistivity	IEC 60093	≥$1x10^{14}$Ω.cm
Dielectric Strength	IEC 60243	≥20kV/mm
Dielectric Constant	IEC 60250	≤4
Brittle Temperature	ISO 974	-40℃
Hardness（Shore A)	ISO 868	≥80
Heat Shock	160℃，4h	No Crack
Longitudinal Shrinkage	ASTM-D-2671	≤10%
Eccentricity	ASTM-D-2671	≤30%

Technical Data-Outer Semi-conductive

Property	Test Method	Standard Value
Tensile Strength	ASTM-D-638	≥10MPa
Elongation at Break	ASTM-D-638	≥350%
Tensile Strength Variation After Heat Aging（130℃x168h)	ASTM-D-5510	≤±20%
Elongation at Break Variation After Heat Aging（130℃x168h)	ASTM-D-5510	≤±20%
Volume Resistivity	IEC 60093	≥$1x10^{3}$Ω.cm
Hardness（Shore A)	ISO 868	≥80
Heat Shock	160℃，4h	No Crack
Brittle Temperature	ISO 974	-40℃
Longitudinal Shrinkage	ASTM-D-2671	≤10%
Eccentricity	ASTM-D-2671	≤30%