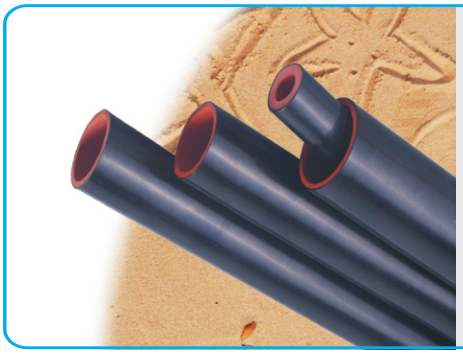
WDWT
Heat Shrink Dual-wall Tube



- 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 electric shielding
- Suitable for applications in power cable joints up to 35 kV
- Continuous operation temperature: -45℃ to 105℃
- Shrink temperature: start at 100℃, and fully recovered at 130℃

Selection Table

Product No.	Inner Diameter		After Recovered Wall Thickness /mm (±10%)	Standard Length /mm
	As Supplied (Min) /mm	After Recovered (Max) /mm		
WDWT-30/12	30	12	5.8	300-1000
WDWT-35/13	35	13	5.8	300-1000
WDWT-45/17	45	17	5.8	300-1000
WDWT-55/21	55	21	5.8	300-1000
WDWT-65/26	65	26	5.8	300-1000
WDWT-85/30	85	30	7.3	300-1000
WDWT-100/38	100	38	7.3	300-1000
WDWT-120/45	120	45	7.3	300-1000

Technical Data
Inner Insulation Layer

Property	Test Method	Standard Value
Operation Temperature	IEC 216	-45℃ to 105℃
Tensile Strength	ASTM-D-638	≥12MPa
Elongation at Break	ASTM-D-638	≥400%
Tensile Strength after Aging	ASTM-D-2671	≥10MPa (130℃,168 hrs)
Elongation at Break after Aging	ASTM-D-2671	≥320% (130℃,168hrs)
Volume Resistivity	IEC 60093	$\geqslant 1\times10^{14}\Omega\cdot cm$
Dielectric Strength	IEC 60243	≥25kV/mm
Longitudinal Shrinkage	ASTM-D-2671	≤10%
Eccentricity	ASTM-D-2671	≤30%
Water Absorption	ISO 62	≤0.5%

Outer Semi-conductive Layer

Property	Test Method	Standard Value
Operation Temperature	IEC 216	-45℃ to 105℃
Tensile Strength	ASTM-D-638	≥10MPa
Elongation at Break	ASTM-D-638	≥300%
Tensile Strength after Aging	ASTM-D-2671	≥8MPa (130℃,168 hrs)
Elongation at Break after Aging	ASTM-D-2671	≥240% (130℃,168hrs)
Volume Resistivity	IEC 60093	$10^{2}\sim10^{4}\Omega\cdot cm$
Longitudinal Shrinkage	ASTM-D-2671	≤10%
Eccentricity	ASTM-D-2671	≤30%
Water Absorption	ISO 62	≤0.5%