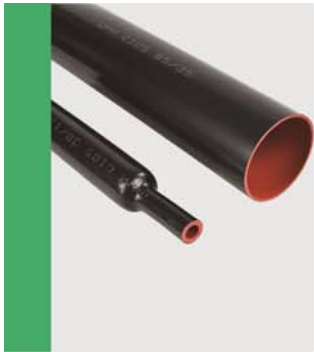




C105 Semi-Conductive/Insulation Double Layer Heat Shrinkable Tubing

Features

- Cross-linked heavy wall tubing
- Semi-conductive/insulation double layer
- Co-Extrusion technology
- Reduces partial discharge
- Halogen free ,RoHS Compliant
- Operating temperature: -55~105 °C
- Shrink temperature: 135 °C
- Voltage class: 5~35 KV

Dimensions

Reference UPM C105	As supplied(mm) ID min.	After recovered(mm) ID max. WT nom.	Standard length m
38/13	38	13 5.3	1 or 1.22
45/17	45	17 5.8	1 or 1.22
55/20	55	20 5.8	1 or 1.22
65/25	65	25 6.3	1 or 1.22
75/30	75	30 6.3	1 or 1.22
85/35	85	35 6.5	1 or 1.22
95/40	95	40 6.5	1 or 1.22
115/50	115	50 6.5	1 or 1.22

● ID=Internal Diameter ● WT=Wall Thickness

Typical application

- Ideal for insulation of power cable joint up to 36 KV

Ordering

- Standard color : Black/Red
- Standard packaging is 1m/pc or 1.22m/pc
- Please provide specification,quantity when ordering

Cross reference

- Raychem/ Tyco: CICM

Technical Data

Property	Test Method	Values
Inner layer		
Physical	Tensile strength	ASTM D2671 ≥14 MPa
	Breakdown elongation	ASTM D2671 ≥450%
Aging (136°C/168hrs)	Tensile strength	ASTM D2671 ≥12 MPa
	Breakdown elongation	ASTM D2671 ≥400%
Electrical	Thermal endurance	IEC 216 105 °C
	Water absorption (23°C/336hrs)	ASTM D570 ≤0.5%
	Density	ASTM D2671 0.95~1.05
	Low temperature flexibility(-40°C/4hrs)	ASTM D2671 No cracking.
	Heat shock (200°C/30mins)	ASTM D2671 No cracking.No drop, No flow
	Dielectric strength(in insulation oil)	ASTM D 2671 ≥15 kV/mm
	Volume resistivity	ASTM D 2671 ≥10 ¹¹ Ω.cm
	Tracking and erosion resistance	ASTM D 2303 After 1hr at 2.5 kV or 1hr at 2.75 kV Pass
	Chemical	Color fastness to light IEC 60684-3 Compare between exposed and unexposed parts the color does not change
	Outer layer	
Physical	Tensile strength	ASTM D2671 ≥20 MPa
	Breakdown elongation	ASTM D2671 ≥350%
Aging (158°C/168hrs)	Tensile strength	ASTM D2671 ≥16 MPa
	Breakdown elongation	ASTM D2671 ≥300%
Electrical	Thermal endurance	IEC 216 135 °C
	Water absorption (23°C/336hrs)	ASTM D570 ≤0.5%
	Density	ASTM D2671 1.05~1.10
	Low temperature flexibility(-40°C/4hrs)	ASTM D2671 No cracking.
	Heat shock (250°C/30mins)	ASTM D2671 No cracking.No drop, No flow
	Volume resistivity	ASTM D 2671 ≤10 ¹⁰ Ω.cm
	Inner layer & Outer layer	
	Halogen free	IEC 61249-2-21 Cl : 900ppm max. Br : 900ppm max. Total (Cl + Br) : 1500ppm max



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