COMMERCIAL
INSULTUBE™

HEAT SHRINK MEDIUM & HEAVY WALL TUBING

Insultube is Heat shrink Medium & Heavy wall tubing.

Medium wall tubes (GMW) are used for environmental protection of low voltage cable termination and insulating the connectors for low voltage straight through joints/splice rated upto 1.1KV. Heavy wall tubes (GHW) are used for mechanical protection and outer sealing of underground straight through cable joints / splice upto 36KV.

These tubes are manufactured from high quality cross inked polyolefin material.

Selection Chart

Code	D min (mm)	d max (mm)	T±10% (mm)
GMW 10/3	10	3	1.5
GMW 12/4	12	4	1.8
GMW 19/6	19	6	2.0
GMW 22/6	22	6	2.0
GMW 27/8	27	8	2.5
GMW 30/8	30	8	2.6
GMW 33/10	33	10	2.6
GMW 40/12	40	12	2.7
GMW 50/16	50	16	2.7
GMW 70/22	70	22	2.7
GMW 90/28	90	28	3.0
GMW 105/30	105	30	3.0
GMW 115/34	115	34	3.2
GMW 130/36	130	36	3.2
GMW 140/42	140	42	3.2
GMW 160/50	160	50	3.3
GMW 180/55	180	55	3.3
GMW 200/60	200	60	3.5

Code	D min (mm)	d max (mm)	T±10% (mm)
GHW 12/3	12	3	2.4
GHW 19/6	19	6	2.5
GHW 22/6	22	6	2.5
GHW 30/8	30	8	3.0
GHW 43/12	43	12	4.0
GHW 51/16	51	16	4.0
GHW 72/22	72	22	4.0
GHW 85/25	85	25	4.0
GHW 105/30	105	30	4.0
GHW 120/36	120	36	4.0
GHW 140/42	140	42	4.2
GHW 160/50	160	50	4.3
GHW 180/55	180	55	4.3
GHW 200/65	200	65	4.3

D,d : Internal Diameter

- Optional hot melt adhesive lining for complete environmental protection and insulation, according to IP 68 (Ingress Protection).
- Excellent resistance to weathering, UV rays, chemical and solvents.
- Maximum cut length available upto 1500 mm.
- Custom dimensions, thickness, length & colours available on request.
- Conforms to IEC 60684-3-247 standard.

Technical Specification

PROPERTIES	VALUE	STANDARD
Physical		
Tensile Strength	11 N/mm^2 (Mpa) (min.)	ASTM D638
Ultimate Elongation	350 % (min)	ASTM D638
Longitudinal Change	-10% (max.)	ASTM D2671
Hardness	45 ±10 Shore D	ASTM D2240
Water absorption	0.5 % (max.)	ASTM D570
Thermal		
Accelerated ageing	(120^{0}C for 500 hrs)	ASTM D2671
Tensile Strength	11 N/mm^2 (Mpa) (min.)	ASTM D638
Ultimate Elongation	300 % (min.)	ASTM D638
Low Temperature Flexibility (-40^{0}C for 4 hrs.)	No Cracking	ASTM D2671
Heat Shock (250^{0}C for 30 min.)	No cracking or flowing	ESI 09-11
Shrink Temperature	125^{0}C	IEC 216
Continuous Temperature Limit	-40 to +110^{0}C	IEC 216
Electrical		
Dielectric Strength	12 KV/mm.(min)	ASTM D149
Volume Resistivity	1 x 10^{14} Ohm.cm (min)	ASTM D257
Dielectric constant	5 (max.)	ASTM D150

Ordering Information

GMW 10/3 A 1000

- Gala Code
- Size
- With Adhesive
- Length(mm)

Technical Qualification Report : QR 1013