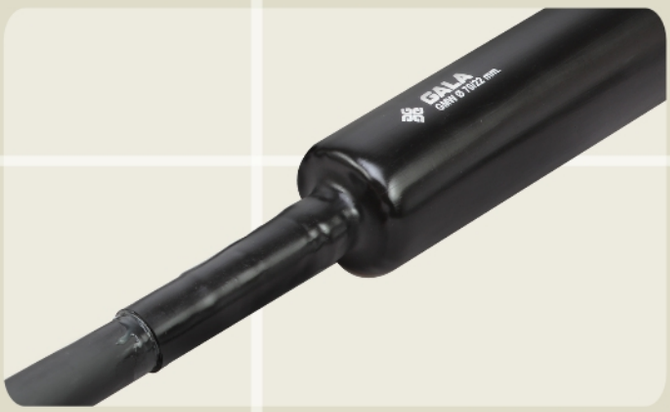
HEAT SHRINK FLAME RETARDANT HALOGEN FREE LOW VOLTAGE TUBING



Heat Shrink Low Voltage Tubing GFMW and GFHW are medium wall and heavy wall black tubing.

These Tubes are used where high flame retardant is required.

GFMW tubes 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. GFHW tubes 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 linked polyolefin material.

Selection Chart

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

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

D,d : Internal Diameter

General Properties

- Optional hot melt adhesive lining for complete environmental protection and insulation.
- Excellent resistance to weathering, UV rays, chemical and solvents.
- Maximum cut length available upto 1500 mm.
- Customised 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
Flammability	Self-extinguishing	ASTM D2671
Thermal		
Accelerated ageing	(120°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°C for 4 hrs.)	No Cracking	ASTM D2671
Heat Shock (250°C for 30 min.)	No cracking or flowing	ESI 09-11
Shrink Temperature	125°C	IEC 216
Continuous Temperature Limit	-40 to +110°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

GFMW 10/3 A 1000

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

Technical Qualification Report : QR 1015