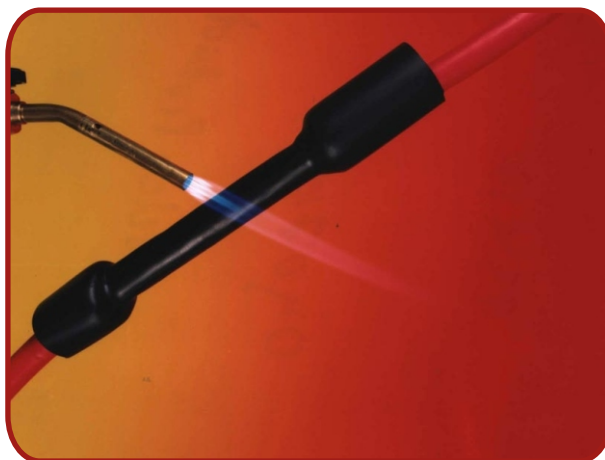




GDW is dual wall tubing manufactured by co-extrusion of polyolefin and hot melt adhesive. Designed to provide both insulation and sealing for protected articles.

APPLICATIONS:

- Provides permanent waterproof barrier & environmental seal for electrical components such as wire splices & harness in automobile and communication industry.
- Used as an alternative to moulded parts and cable breakouts
- High shrink ratio enables insulation of cables with connectors of various sizes Suitable for use in telecommunication, industrial equipment, automotive and avionics.

Technical Specification

PROPERTIES	VALUE	STANDARD
Physical		
Tensile Strength	12 N/mm ² (Mpa) (min.)	ASTM D638
Ultimate Elongation	300 % (min)	ASTM D638
Water absorption	0.15 % (max.)	ASTM D570
Specific Gravity	1.4	ASTM D792
Longitudinal Change	-10% (max.)	ASTM D638
Thermal		
Operating Temp. (Outer Wall)	-55 to +125°C	IEC 216
Heat Shock (250°C for 4 hrs.)	No dripping, cracking or flowing (Outer Wall)	
Flammability	Pass	ASTM D2671
Chemical		
Fungus Resistance	Inert	MIL-1-7444
Copper Corrosion	Good	ASTM D2671B
Chemical Resistance	Good	ASTM D2671
Electrical		
Dielectric Strength	>15 kV/mm.	ASTM D2671
Di-electric Constant	3.0 (max.)	ASTM D150
Volume Resistivity	1 x 10 ¹⁴ Ohm.cm (min)	ASTM D257

SELECTION CHART

Part Number/Size	Internal Dia. (mm)		Recovered Thickness (Incl. Adhesive) (mm)	Recovered Adhesive Thickness (mm)	Standard Package
	Supplied	Recovered			
GDW 6/2	6.0	2.0	1.1	0.5	100m/spool
GDW 9/3	9.0	3.0	1.3	0.6	50m/spool
GDW 12/4	12.0	4.0	1.5	0.7	30m/spool
GDW 18/6	18.0	6.0	2.0	0.8	30m/spool
GDW 24/8	24.0	8.0	2.3	0.9	30m/spool
GDW 39/13	39.0	13.0	2.5	1.0	20m/spool
GDW 50/17	50.0	17.0	2.5	1.2	15m/spool
GDW 75/25	75.0	25.0	2.5	1.2	15m/spool
GDW 100/34	100.0	34.0	2.5	1.2	15m/spool

GENERAL PRODUCT PROPERTIES:

- Shrink ratio 3:1
- Operating temperature ranges from -55°C to +125°C
- Flame retardant and self-extinguishing
- Chemical, copper corrosion and fungus resistance
- Dielectric strength of 15KV/mm.
- Meets RoHS Compliance
- Meets IP 68 (Ingress Protection)

SPECIFICATIONS:

IEC, ASTM, UI224 AND MIL-SPEC