

Dual Wall Tubing

GDW-F(3X)(4X)

Adhesive lined
Highly Flexible flame
retardant tubing

Features

- ◎ 3:1 or 4:1 shrink ratio
- ◎ RoHS compliant



Applications

Designed to provide both insulation and sealing for protected articles.

Typical application are environment sealing of electrical components such as wire splices and harness in automobile and communication industry.

Specification/Approvals

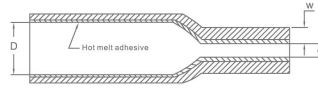
UL224/VW-1/600V/
SAE-AMS-DTL 23053/4

Operating Temp

-55°C to 125°C

Typical technical performances

Test Items	Test Method	Test Requirements
Tensile strength	ASTM D 2671	10.4MPa minimum
Ultimate elongation	ASTM D 2671	200% minimum
Tensile strength Aging at 175°C for 168hrs	UL 224	70% retention minimum
Ultimate elongation after Aging at 175°C for 168hrs	UL 224	100% minimum
Heat shock at 250°C for 4hrs	UL 224	No dropping & \cracking of out jacket
Flammability	UL 224	VW-1(except for clear)
Volume resistance	UL 224	10 ¹⁴ Ω.cm minimum
Cold bend at -30°C for 1hr	ASTM D 2671	No cracking



Dimensions

Size(Inch)	As supplied(mm)		After recovered (mm)	
	D*(Min.)	d*(Max.)	w*(Min.)	A*(nom.)
GDW-F(3X) Adhesive-lined tubing, shrink ratio 3:1				
1/8	3.0	1.0	1.00	0.40
3/16	4.8	1.6	1.00	0.40
1/4	6.0	2.0	1.00	0.40
3/8	9.0	3.0	1.35	0.55
1/2	12.0	4.0	1.65	0.70
3/4	19.0	6.4	2.10	0.70
1	24.0	8.0	2.35	0.95
1-1/2	40.0	13.0	2.40	0.95

GDW-F(4X) Adhesive-lined tubing, shrink ratio 4:1				
3/16	4.0	1.0	1.00	0.45
1/4	6.0	1.5	1.00	0.45
5/16	8.0	2.0	1.00	0.45
1/2	12.0	3.0	1.35	0.55
5/8	16.0	4.0	1.65	0.70
1	24.0	6.0	2.10	0.70
1-1/4	32.0	8.0	2.35	0.95
1-1/2	38.1	9.5	2.35	0.95
2	52.0	13.0	2.40	0.95

D* = Inner diameter as supplied
d* = Inner diameter after fully recovered
w* = Total wall thickness after fully recovered
A* = Adhesive thickness after fully recovered

Ordering information

Color	Standard	Black
	Nonstandard	Red, Yellow, Blue, Green
Standard packaging	In 1.2-meter [4-foot] lengths or on spools.	
Ordering description	Specify product name, size and color (for example, GDW-F(3X) 6.0/2.0 Red)	

* Other colors and cutting length are available on request.