

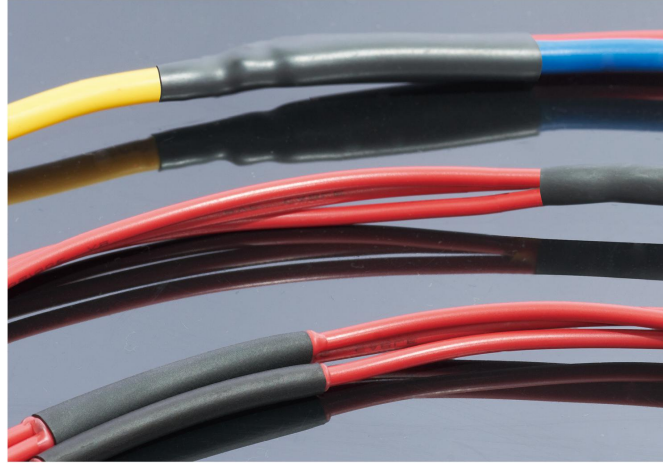
GDW(3X)(4X)

*Adhesive lined
Flexible flame
retardant tubing*

Features

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

Dual Wall Tubing



Applications

Applications Environmentally seals and protects a wide variety of electrical applications, including back end connector sealing, breakouts, and connector-to-cable transitions .

High expansion ratio makes it possible to repair most damaged cable jackets without removing connectors .

Specification/Approvals

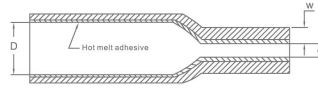
*UL224/VW-1/600V/
SAE-AMS-DTL 23053/4*

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 after Aging at 158°C for 168hrs	UL 224	70% retention minimum
Ultimate elongation after Aging at 158°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(3X) Adhesive-lined tubing, shrink ratio 3:1				
3/32	2.4	0.8	0.85	0.35
1/8	3.0	1.0	0.95	0.35
3/16	4.8	1.6	1.10	0.40
1/4	6.0	2.0	1.20	0.40
3/8	9.0	3.0	1.30	0.50
1/2	12.0	4.0	1.60	0.70
3/4	19.0	6.4	2.00	0.70
1	24.0	8.0	2.40	1.10
1-1/4	30.0	10.0	2.40	1.10
1-1/2	40.0	13.3	2.40	1.10
2	50.0	19.0	2.40	1.10

GDW(4X) Adhesive-lined tubing, shrink ratio 4:1				
3/16	4.0	1.00	1.15	0.50
1/4	6.0	1.50	1.35	0.65
5/16	8.0	2.00	1.65	0.80
1/2	12.0	3.00	2.00	1.00
5/8	16.0	4.00	2.00	1.00
3/4	18.0	4.45	2.30	1.10
1	24.0	6.00	2.50	1.10
1-1/4	32.0	8.00	2.85	1.20
2	52.0	13.00	2.90	1.20

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

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

* Other colors and cutting length are available on request.