



## DBRS-125G(2X)

### Flame Retardant Heat Shrink Tubing



#### Description

Flame retardant heat shrinkable tubing, made of radiation cross-linked polyolefin, has excellent physicochemical and electrical properties. It can reliably insulate cable and wire splices and terminations, effectively protect soldered joint and provides good mechanical protection for wire harness in electronic, communications, automotive, shipping and aircraft manufacturing industries.

#### Features

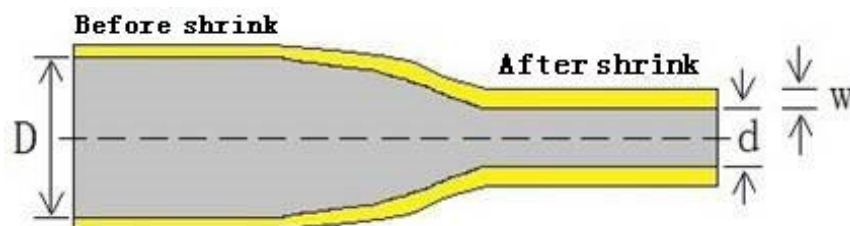
- Meets UL 224, CAN / CSA C22.2 NO198.1 -99
- Heat shrink ratio: 2:1
- Highly flame retardant , environmentally friendly
- Min. shrink temperature : 84 °C
- Min. full recovery temperature : 120°C
- Continuous operating temperature : -55 °C ~ 125°C
- RoHS Compliant
- Standard Colors: black, white, red, yellow, green, blue .More colors are available upon request



## Technical Performance

Properties	Typical Data	Test Method
Tensile strength	$\geq 10.4\text{MPa}$	ASTM D 2671
Elongation	$\geq 200\%$	ASTM D 2671
Tensile strength after heat	$\geq 7.3\text{MPa}$	158°C×168h
Elongation after aging	$\geq 100\%$	158°C×168h
Longitudinal change	-5% ~ +5%	ASTM D 2671
Flammability	VW-1	ASTM D 2671 C
Voltage withstand (Rated voltage, 600V)	2500V , 1min without breakdown	UL 224
Heat shock	No track ,no drippings	UL 224 , 250°C×4h
Dielectric strength	$\geq 15\text{kV/mm}$	ASTM D 149
Volume resistivity	$\geq 10^{14}\Omega\cdot\text{cm}$	IEC 60093

## Structure





## Dimensions (2:1)

Size (mm)	As supplied D(mm)	After full recovery (mm)		Standard Package (M/Roll)
		Inner diameter d	Wall thickness w	
φ0.5/0.35	0.7±0.2	≤0.35	0.33±0.10	200
φ0.6/0.40	0.9±0.2	≤0.40	0.33±0.10	200
φ0.8/0.50	1.1±0.2	≤0.50	0.33±0.10	200
φ1.0/0.65	1.5±0.2	≤0.65	0.36±0.10	200
φ1.5/0.85	2.0±0.2	≤0.85	0.36±0.10	200
φ2.0/1.00	2.5±0.2	≤1.00	0.45±0.10	200
φ2.5/1.30	3.0±0.2	≤1.30	0.45±0.10	200
φ3.0/1.50	3.5±0.2	≤1.50	0.45±0.10	200
φ3.5/1.80	4.0±0.2	≤1.80	0.45±0.10	200
φ4.0/2.00	4.5±0.2	≤2.00	0.45±0.10	200
φ4.5/2.30	5.0±0.2	≤2.30	0.45±0.10	100
φ5.0/2.50	5.5±0.2	≤2.50	0.56±0.10	100
φ5.5/2.75	6.0±0.2	≤2.75	0.56±0.10	100
φ6.0/3.00	6.5±0.2	≤3.00	0.56±0.10	100
φ7.0/3.50	7.5±0.3	≤3.50	0.56±0.10	100
φ8.0/4.00	8.5±0.3	≤4.00	0.56±0.10	100
φ9.0/4.50	9.5±0.3	≤4.50	0.56±0.10	100
φ10/5.00	10.5±0.3	≤5.00	0.56±0.10	100
φ11/5.50	11.5±0.3	≤5.50	0.56±0.10	100
φ12/6.00	12.5±0.3	≤6.00	0.56±0.10	100
φ13/6.50	13.5±0.3	≤6.50	0.70±0.10	100
φ14/7.00	14.5±0.3	≤7.00	0.70±0.10	100
φ15/7.50	15.5±0.4	≤7.50	0.70±0.10	100
φ16/8.00	16.5±0.4	≤8.00	0.70±0.10	100



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φ18/9.00	19.0±0.5	≤9.00	0.70±0.10	100
φ20/10.0	22.0±0.5	≤10.0	0.80±0.15	100
φ22/11.0	24.0±0.5	≤11.0	0.80±0.15	100
φ25/12.5	26.0±0.5	≤12.5	0.90±0.15	50
φ28/14.0	29.0±0.5	≤14.0	0.90±0.15	50
φ30/15.0	31.5±1.0	≤15.0	1.00±0.15	50
φ35/17.5	36.5±1.0	≤17.5	1.00±0.15	50
φ40/20.0	41.5±1.0	≤20.0	1.00±0.15	50
φ45/22.5	≥45.0	≤22.5	1.00±0.15	50
φ50/25.0	≥50.0	≤25.0	1.10±0.15	25
φ60/30.0	≥60.0	≤30.0	1.20±0.15	25
φ70/35.0	≥70.0	≤35.0	1.30±0.20	25
φ80/40.0	≥80.0	≤40.0	1.30±0.20	25
φ90/45.0	≥90.0	≤45.0	1.30±0.20	25
φ100/50.0	≥100.0	≤50.0	1.30±0.20	25
φ120/60.0	≥120.0	≤60.0	1.30±0.20	25
φ150/75.0	≥150.0	≤75.0	1.30±0.20	25
φ180/90.0	≥180.0	≤90.0	1.30±0.20	25
φ210/105.0	≥210.0	≤105.0	1.30±0.30	25
φ230/115.0	≥230.0	≤115.0	1.30±0.30	25
φ250/125.0	≥250.0	≤125.0	1.30±0.30	25
φ300/150.0	≥300.0	≤150.0	1.30±0.30	25

**Note: Non-standard dimensions and packages also available on your request**