



DBRS-125H (2X) CB

Halogen-free Ultra-thin Flame Retardant Heat-shrink Tubing



Description

Halogen-free ultra-thin flame retardant heat-shrink tubing, made of radiation cross-linked polyolefin, carries excellent physicochemical and electrical properties. Typical applications include insulation of electrical connections, rust and corrosion resistance for soldered connections or joints, mechanical and wiring harness protection. This product is widely used in the automotive, agricultural and household Pipe Benders protection, electronics, life consumables, decoration and lighting, communications, ship, aircraft manufacturing and other fields

Features

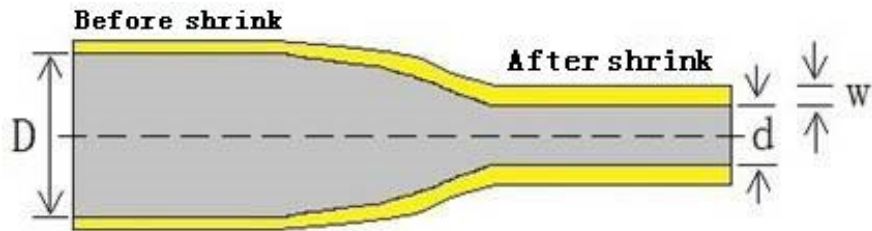
- Meets UL 224, CAN / CSA C22.2 NO198.1 -99
- Heat shrink ratio : 2:1
- Halogen-free , low-smoke emission , non-toxic , flexible , flame retardant , swiftly shrinking
- Min shrink temperature : 70 °C
- Min full recovery temperature : 120 °C
- Continuous operating temperature : -55 °C ~ 125 °C
- Environmental standards : RoHS , IPC/JEDEC-J-STD-709 Class H material
- Standard colors: Black, White, Red , Yellow ,Green, Blue ,Clear. More colors are available upon request.



Technical Performance

Properties	Typical Data	Test Method
Tensile strength	≥10.4MPa	ASTM D 2671
Elongation	≥200%	ASTM D 2671
Tensile strength after heat aging	≥7.3MPa	158°C×168h
Elongation after heat aging	≥100%	158°C×168h
Longitudinal change	-5% ~ +5%	ASTM D 2671
Flammability	VW-1	ASTM D 2671 C
Voltage withstand(Rated voltage 600V)	1500V,1min, without breakdown	UL 224
Heat shock	No cracking, no dripping	UL 224 , 250°C×4h
Dielectric strength	≥15kV/mm	ASTM D 149
Volume resistivity	≥10 ¹⁴ Ω.cm	IEC 60093

Structure



Dimensions (2:1)

Size(mm)	As supplied D(mm)	After full recovered (mm)		Standard Package (M/Roll)
		Inner diameter d	Wall thickness w	
Φ0.6/0.40	0.9±0.2	≤0.40	0.20±0.10	200
Φ0.8/0.50	1.1±0.2	≤0.50	0.20±0.10	200
φ1.0/0.65	1.4±0.2	≤0.65	0.20±0.10	200
φ1.5/0.85	1.9±0.2	≤0.85	0.20±0.10	200
φ2.0/1.00	2.4±0.2	≤1.00	0.22±0.10	200
φ2.5/1.30	2.9±0.2	≤1.30	0.25±0.10	200
φ3.0/1.50	3.4±0.2	≤1.50	0.28±0.10	200
φ3.5/1.80	3.9±0.2	≤1.80	0.28±0.10	200
φ4.0/2.00	4.4±0.2	≤2.00	0.30±0.10	200
φ4.5/2.30	4.9±0.2	≤2.30	0.30±0.10	200
φ5.0/2.50	5.5±0.2	≤2.50	0.32±0.10	100
φ6.0/3.00	6.5±0.2	≤3.00	0.32±0.10	100
φ7.0/3.50	7.5±0.3	≤3.50	0.32±0.10	200
φ8.0/4.00	8.5±0.3	≤4.00	0.32±0.10	200
φ9.0/4.50	9.5±0.3	≤4.50	0.35±0.10	200
φ10/5.00	10.5±0.3	≤5.00	0.35±0.10	200
φ11/5.50	11.5±0.3	≤5.50	0.40±0.10	200
φ12/6.00	12.5±0.3	≤6.00	0.40±0.10	200
φ13/6.50	13.5±0.3	≤6.50	0.40±0.10	200
φ14/7.00	14.5±0.3	≤7.00	0.40±0.10	200
φ15/7.50	15.5±0.4	≤7.50	0.40±0.10	200
φ16/8.00	16.5±0.4	≤8.00	0.40±0.10	200



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$\phi 17/8.50$	17.5 ± 0.4	≤ 8.50	0.40 ± 0.10	200
$\phi 18/9.00$	18.5 ± 0.4	≤ 9.00	0.42 ± 0.10	200
$\phi 20/10.0$	20.5 ± 0.5	≤ 10.0	0.45 ± 0.10	200
$\phi 22/11.0$	22.5 ± 0.5	≤ 11.0	0.45 ± 0.10	100
$\phi 25/12.5$	25.5 ± 0.5	≤ 12.5	0.45 ± 0.10	100
$\phi 28/14.0$	28.5 ± 0.5	≤ 14.0	0.45 ± 0.10	100

Note: non standard dimensions and packages are also available on request