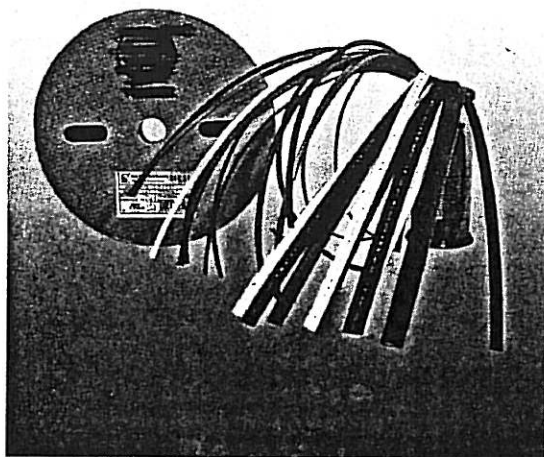


Flame-retardant Normal Wall Heat Shrinkable Tube



Product Property and Application

1. **B50** TUBE SERIES Heat Shrinkable Tube has excellent un-flammability, flexibility, and insulation. The shrinking temperature is very low and it can shrink very quickly. It is suitable for various electric insulation and bonding of cables and connectors and widely applied for connecting or end-handling, electric wire, insulating and harness of electric wire, corrosion-proof of metallic rods or tubes, and antenna protection.

Material: Chemical, cross-linked (by radiation), thermally stabilized flame retarded polyolefin

Standard: UL 224 VW-1

C-UL CSA C 22.2 OFT

Product No: W-1-PT W-1-PT(CB)

2. **Property:** Operating Temperature: -55°C~125°C

Shrinking Temperature: Start at 70°C, and shrunk totally at 110°C (CB) or 115°C

Size range : Φ 0.8~ Φ 180mm (3/64~5 inch or larger), special size are negotiable.

Shrink Ratio: 2:1

Available Color: Black, Red, Yellow, Green, Blue, White, Purple, and Grey. Can produce upon customer's special requirement.

Table-3 Products Characters

PROPERTY		Test Method	Standard Required	Classic Value	
Physical	Tensile Strength (Mpa)	GB/T 1040	≥ 10.4	14.8	
	Elongation%	GB/T 1040	≥ 200	460	
	Tensile Strength after Aging (Mpa)	UL 224 158°C × 168hr	≥ 7.3	14.5	
	Elongation after Aging %	UL 224 158°C × 168hr	≥ 100	480	
	Heat Resistance	UL 224 250°C × 4hr	No viscosity No cracking	PASS	
	Cold Blend	UL 224 -30°C × 1hr	No cracking	PASS	
Electrical	Dielectric Strength (kV/mm)		GB/1408	≥ 15	17
	Dielectric Withstand (volts)	150V	UL 224	$\geq 1500V$	PASS
		600V	UL 224	$\geq 2500V$	PASS
	Volume resistance ($\Omega \cdot \text{cm}$)		GB1410	$\geq 1 \times 10^{14}$	1×10^{15}
Chemical	Corrosion		UL 224 158°C × 168hr		PASS
	Copper stability		UL 224 158°C × 168hr		PASS
	Flammability		UL 224	VW-1	PASS

Flame-retardant Normal Wall HST Inch Size: W-1-PT

Size		As Supplied (mm)		After Recovery (mm)		Standard Package (m/spool)	Application Range (mm)
mm	inch	I.D.	Average W.T.	Max. I.D.	Average W T		
Φ 0.8	3/64	1.0±0.2	0.15±0.05	0.50	0.22±0.10	200	0.6-0.8
Φ 1.0	1/16	1.5±0.3	0.15±0.05	0.65	0.28±0.10	200	0.75-0.9
Φ 2.0	3/32	2.5±0.3	0.18±0.05	1.00	0.35±0.10	200	1.1-1.8
Φ 3.0	1/8	3.5±0.4	0.18±0.05	1.50	0.40±0.10	200	1.6-2.7
Φ 4.5	3/16	5.0±0.4	0.25±0.05	2.30	0.50±0.10	100	2.6-4.5
Φ 6.0	1/4	6.5±0.4	0.28±0.05	3.00	0.55±0.10	100	3.1-5.4
Φ 9.0	3/8	9.5±0.5	0.30±0.08	4.50	0.60±0.10	100	4.7-8.0
Φ 12	1/2	12.5±0.5	0.30±0.08	6.00	0.60±0.10	100	6.2-11.0
Φ 16	5/8	17.0±0.6	0.40±0.12	8.00	0.70±0.10	100	8.3-15.0
Φ 18	3/4	19.0±0.7	0.40±0.15	9.00	0.80±0.15	100	9.3-17.0
Φ 25	1	26.0±0.7	0.55±0.15	12.5	0.90±0.15	50	12.8-24.0
Φ 28	1-1/4	29.0±0.7	0.55±0.15	14.0	0.90±0.15	50	14.4-29.0
Φ 40	1-1/2	41.5±0.7	0.55±0.15	20.0	1.00±0.15	50	21-39
Φ 50	2	51.0±0.7	0.55±0.15	25.0	1.00±0.15	25	26-49
Φ 80	3	≥ 80	0.70±0.15	41.0	1.46±0.20	25	45-75
Φ 100	4	≥ 100	0.70±0.20	51.0	1.46±0.20	25	55-95
Φ 120	5	≥ 120	0.70±0.20	61.0	1.56±0.20	15	65-115

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C-UL CSA C 22.2 OFT

Product no. W-1-PT W-1-PT (CB)

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Shrink ratio: 2:1.

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3.- PRODUCTS CHARACTERS

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	Dielectric Withstand (volts)	150V	UL 224	≥1500V	PASS
		600V	UL 224	≥2500V	PASS
	Volume resistance (Ω.cm)	GB1410	≥1 × 10 ¹⁴	1 × 10 ¹⁵	
Chemical	Corrosion	UL 224 158°C × 168hr		PASS	
	Copper stability	UL 224 158°C × 168hr		PASS	
	Flammability	UL 224	VW-1	PASS	

4.- FLAME-RETARDANT NORMAL WALL B50 SIZES.

Size		As Supplied mm		After Recovery mm		Standard Package (m/spool)	Application Range mm
mm	Inch	I.D.	Average W.T.	Max. I.D.	Average W.T.		
φ 0.8	3/64	1.0+0.2	0.15+0.05	0.50	0.22+0.10	200	0.6-0.8
φ 1.0	1/16	1.5+0.3	0.15+0.05	0.65	0.28+0.10	200	0.75-0.9
φ 2.0	3/32	2.5+0.3	0.18+0.05	1.00	0.35+0.10	200	1.1-1.8
φ 3.0	1/8	3.5+0.4	0.18+0.05	1.50	0.40+0.10	200	1.6-2.7
φ 4.5	3/16	5.0+0.4	0.25+0.05	2.30	0.50+0.10	100	2.6-4.5
φ 6.0	1/4	6.5+0.4	0.28+0.05	3.00	0.55+0.10	100	3.1-5.4
φ 9.0	3/8	9.5+0.5	0.30+0.08	4.50	0.60+0.10	100	4.7-8.0
φ 12	1/2	12.5+0.5	0.30+0.08	6.00	0.60+0.10	100	6.2-11.0
φ 16	5/8	17.0+0.6	0.40+0.12	8.00	0.70+0.10	100	8.3-15.0
φ 18	3/4	19.0+0.7	0.40+0.15	9.00	0.80+0.15	100	9.3-17.0
φ 25	1	26.0+0.7	0.55+0.15	12.5	0.90+0.15	50	12.8-24.0
φ 28	1-1/4	29.0+0.7	0.55+0.15	14.0	0.90+0.15	50	14.4-29.0
φ 40	1-1/2	41.5+0.7	0.55+0.15	20.0	1.00+0.15	50	21-39
φ 50	2	51.0+0.7	0.55+0.15	25.0	1.00+0.15	25	26-49
φ 80	3	≧80	0.70+0.15	41.0	1.46+0.20	25	45-75
φ 100	4	≧100	0.70+0.20	51.0	1.46+0.20	25	55-95
φ 120	5	≧120	0.70+0.20	61.0	1.56+0.20	15	65-115