

Product Introduction

CB-DWT is manufactured by co-extrusion of irradiated crosslinking polyolefin and specifically designed hot melt adhesive. This tubing maybe used in 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.

Specifications

Items		Specifications
°C Shrink Temperature		110
°C Temperature Range		125
MPa Tensile Strength		≥10.4
(V) Dielectric Voltage Withstand		600
% Ultimate Elongation		≥200
% Longitudinal Change		≤15
Aging in Circulating-air Oven		158.0±1.0°C, 168hrs
After Aging	MPa Tensile Strength	≥7.3
	% Ultimate longation	≥100
kV/mm Dielectric Strength		≥15.0
Ω.cm Volume Resistivity		≥10 ¹³
Flammability (Outer Wall)		VW-1
% Water Absorption		less than 0.4%
Fluid Resistance		好 Excellent
°C Softening Point		85±5
N/25mm Peel Strength		>80

Flame-Retardant Heat-Shrinkable Dual-Wall Tube Standart Sizes

A. CB—DWT(2X)

Size	As Supplied (mm)		After Recovery (mm)		
	(ID)	Nominal Wall Thickness	(Max ID)	(Total Wall Thickness)	(Nominal Adhesive Wall)
Φ1.6	1.9±0.3	0.30±0.10	0.80	0.45±0.12	0.20
Φ2.4	2.8±0.4	0.35±0.10	1.20	0.50±0.12	0.30
Φ3.2	3.6±0.4	0.40±0.15	1.60	0.60±0.15	0.30
Φ4.8	5.2±0.4	0.40±0.15	2.40	0.75±0.15	0.35
Φ6.4	6.9±0.5	0.40±0.15	3.20	0.75±0.15	0.35
Φ9.5	9.9±0.5	0.40±0.15	4.80	0.80±0.20	0.35
Φ12.7	13.3±0.6	0.40±0.15	6.40	0.80±0.20	0.35
Φ19.1	19.7±0.6	0.50±0.20	9.50	0.95±0.28	0.40
Φ25.4	25.9±0.6	0.50±0.20	12.70	1.15±0.28	0.45
Φ38.1	39.0±0.9	0.65±0.25	19.00	1.25±0.41	0.45
Φ50.0	50.6±0.9	0.73±0.30	25.40	1.40±0.41	0.50

B. CB—DWT(3X)

(Size)	As Supplied (mm)		After Recovery (mm)		
	(ID)	Nominal Wall Thickness	(Max ID)	(Total Wall Thickness)	(Nominal Adhesive Wall)
Φ1.6	1.9±0.4	0.30±0.15	0.8	0.45±0.15	0.20 ± 0.10
Φ2.4	2.8±0.4	0.40±0.15	1.0	0.85±0.25	0.35±0.10
Φ3.2	3.6±0.4	0.40±0.15	1.0	0.95±0.25	0.35±0.10
Φ4.7	5.1±0.4	0.40±0.15	1.5	1.05±0.25	0.45±0.10
Φ6.4	6.9±0.5	0.45±0.15	2.0	1.15±0.25	0.45±0.10
Φ7.9	8.4±0.5	0.55±0.20	2.5	1.40±0.25	0.45±0.10
Φ9.5	9.9±0.5	0.60±0.20	3.0	1.45±0.25	0.45±0.10
Φ10.5	11.0±0.5	0.60±0.20	3.5	1.45±0.25	0.45±0.10
Φ12.7	13.3±0.6	0.60±0.20	4.0	1.50±0.35	0.45±0.15
Φ15.7	16.4±0.7	0.65±0.25	5.0	1.70±0.40	0.55±0.15
Φ19.1	19.7±0.7	0.75±0.25	6.0	2.00±0.45	0.65±0.20
Φ25.4	25.9±0.7	0.75±0.25	8.4	2.00±0.55	0.65±0.20
Φ30.0	31.0±1.0	0.80±0.30	10.0	2.20±0.55	0.75±0.20
Φ31.8	32.6±1.0	0.80±0.30	10.6	2.20±0.55	0.75±0.20
Φ35.0	36.0±1.0	0.80±0.30	11.7	2.50±0.55	1.00±0.25
Φ38.1	39.0±1.0	0.85±0.35	12.7	2.50±0.55	1.00±0.25
Φ40.0	41.0±1.0	0.85±0.35	13.7	2.50±0.55	1.00±0.25
Φ50.0	51.0±1.0	0.85±0.35	16.5	2.50±0.55	1.00±0.25

C. CB-DWT(4X)

(Size)	As Supplied (mm)		After Recovery (mm)		
	(ID)	Nominal Wall Thickness	(Max ID)	(Total Wall Thickness)	(Nominal Adhesive Wall)
Φ4	4.5±0.5	0.40±0.20	1	1.00±0.28	0.50
Φ8	8.6±0.6	0.40±0.20	2	1.20±0.28	0.50
Φ12	12.7±0.7	0.50±0.20	3	1.45±0.28	0.60
Φ16	16.7±0.7	0.60±0.30	4	1.90±0.38	0.75
Φ19.1	19.7±0.7	0.60±0.30	4.8	2.10±0.55	0.75
Φ24	25.0±1.0	0.75±0.40	6	2.45±0.55	0.75
Φ32	33.0±1.0	0.80±0.40	8	2.70±0.55	1.00

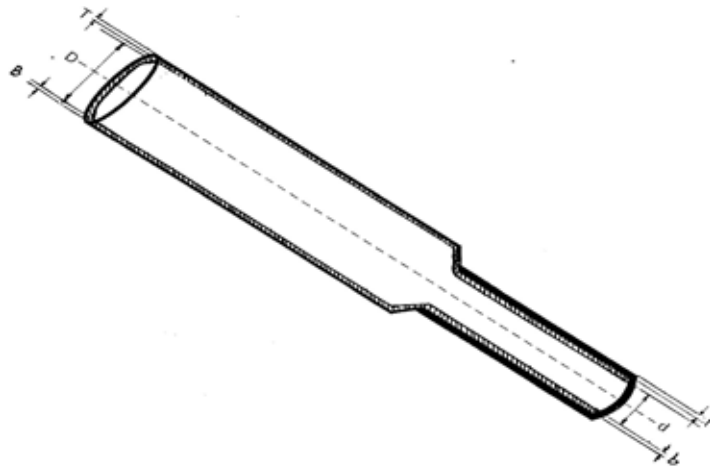
Remark

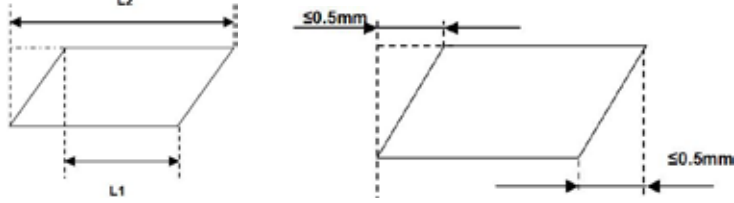
Wall thickness include adhesives

Other sizes are available upon special order

Standard Black, Special colors available on request.

Engineering Picture of CB Flame-Retardant Heat-Shrinkable Dual-Wall Tube)



Flaw	Test Standard	determinant
smudge	The number of dots is less than 5, and the mass stain is 3-6 mm, each pieces is allowed 1.	OK
Number of joints	Each disc is allowed to have no more than three joints, and the joints are marked with green tape.	OK
Poor surface appearance	Rough surface, slight scratch, dark line and so on are judged to be qualified without obvious roughness, scratch and dark line after casing shrinkage without affecting performance. Surface particles are not more than 1 per meter and the diameter of particles is less than 1 mm.	合格 OK
Flat tube or twist	slight flat tube or twist that meets the requirement of inner diameter and does not affect appearance and performance is qualified; a serious flat tube or twist that affects inner diameter and performance is unqualified.	OK / NG
Pipe slant	 1. For the casing including the casing below 7, the control shall be carried out according to Fig1, $L2-L1 \leq 1.6\text{mm}$; 2. For casing with specifications above 7, control shall be carried out according to Figure 2.	OK

		CAS No.
EVA	≥49%	24937-78-8
Magnesium Hydroxide	40%	1309-42-8
Red Phosphorus	5%	7723-14-0
Antioxidant	1%	6683-19-8
pigment	4%	1333-86-4
INK	≤1%	--
--	100%	--

		CAS No.
EVA	80%	24937-78-8
Terpene resin	10%	9003-74-1
Paraffin wax	10%	8002-74-2

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Eastern Creek NSW 2766 Australia
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