

CB-1000(2X)(3X) Heat Shrinkable Tubing

CB-1000 is low-smoking, halogen-free polyolefin cross-linked heat shrinkable tubing that is designed to meet the specialized requirements of the automotive industry. It has good resistance to oil and is an excellent insulator. This material is very flexible and has excellent mechanical strength, so it is suitable for a wide range of applications including automotive oil pipes, electronics insulation, wire protection, and any place protection is needed in extreme environments.



Certificate: UL, CUL, F-mark, Sony Green Partner

Standard: UL224, AMS-DTL-23053/5

Technical Data :

Item	Test method	Standard	Typical Data
Radial Shrinking Ratio			2:1,3:1
Operating Temperature Range			-55°C ~ +135°C
Shrink Temperature			100 ~ 140°C
Tensile Strength	ASTM D638	≥10.4MPa	14.1MPa
Elongation at Break	ASTM D638	≥200%	329%
Dielectric Strength	ASTM D2671	≥19.7kv/mm	26kv/mm
Volume Resistance	ASTM D876	≥1×10 ¹²	3.6×10 ¹⁴
Longitudinal Change		-5% ~ +5%	-4%
Concentricity		≥50%	73%
Aging in Circulating – Air Oven		175±2°C , 168hrs	
After aging	Tensile Strength	ASTM D638	≥6.9MPa
	Dielectric Strength	ASTM D2671	≥15.8kv/mm
Heat Shock	250±3°C , 4hrs	No dropping, No flow, No cracking	pass
Copper corrosion	ASTM D2671	175±2°C , 168hrs	No corrosion



Dimensions:

Type	Inside diameter		Wall thickness after recovery (in mm)
	Min ID As supplied (in mm)	Max ID After recovery (in mm)	

CB-1000-101	1.2	0.6	0.41±0.08
CB-1000-102	1.6	0.8	0.43±0.08
CB-1000-103	2.4	1.2	0.51±0.08
CB-1000-104	3.2	1.6	0.51±0.08
CB-1000-105	4.8	2.4	0.51±0.08
CB-1000-106	6.4	3.2	0.64±0.08
CB-1000-107	9.5	4.75	0.64±0.08
CB-1000-108	12.7	6.4	0.64±0.08
CB-1000-109	19.1	9.53	0.76±0.08
CB-1000-110	25.4	12.7	0.89±0.13
CB-1000-111	38.1	19.1	1.02±0.15
CB-1000-112	50.8	25.4	1.14±0.18
CB-1000-113	76.2	38.1	1.27±0.20
CB-1000-114	101.6	50.8	1.4±0.23
CB-1000-115	25.4	7.0	1.14±0.18
CB-1000-116	50.8	14.0	1.14±0.18
CB-1000-117	76.2	20.6	1.14±0.18
CB-1000-118	101.6	26.7	1.14±0.18
CB-1000-119	25.4	11.7	1.14±0.18
CB-1000-120	60.3	17.3	1.14±0.18
CB-1000-121	76.2	21.3	1.14±0.18
CB-1000-122	95.3	23.6	1.14±0.18
CB-1000-123	114.3	36.8	1.14±0.18