



DUNBAR-DC-EC

HEAT SHRINKABLE POLYOLEFIN END CAP



Applications

DUNBAR-DC-EC end caps are used to protect cable, pipe, and conduit ends from environmental effects. DC-EC end caps electrically insulate wire and cable. End caps are suitable for pressurized and unpressurized cables.

DC-EC end caps are made from thermally stabilized cross-linked polyolefin, and coated inside with a polyamide based hot melt adhesive. End Caps are available with adhesive applied flat or in a spiral pattern.

Features

- ★ Resistant to moisture, weathering, oxidation, ozone, UV radiation, and adverse environmental conditions
- ★ Continuous operating temperature: -55 °C to +110 °C
- ★ Valve end cap available for pressurized applications
- ★ Resistant to common solvents
- ★ RoHS & REACH Compliant

Specification Values

Property		Test Method	Value	
Physical	Unaged	Tensile Strength	ASTM D638	Min. 1.2 kgf/mm ²
		Elongation		Min. 300%
	Aged	Tensile Strength	ASTM D2671	Min. 0.76 kgf/mm ²
		Elongation		Min. 100%
	Hardness		Shore D	Min 45
	Water Absorption		ISO 62	Max 0.5%
	Air Pressure Test		30 psi for 4 hours	No Leakage
	Environmental		15 psi for 7 days	No Leakage
Electrical	Dielectric Strength		IEC 243	Min. 12 kV/mm
	Volume Resistivity		IEC 93	Min. 10 ¹³ Ω · cm
Chemical	Carbon Black Content		BS 2782	Min 2%

Rev. Aug 2025



Dunbar Products, LLC
Tubing and Identification Products

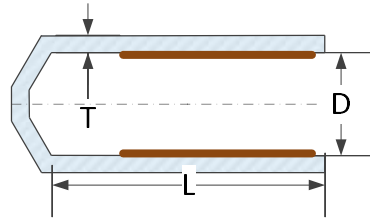


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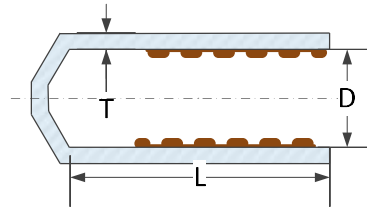


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HEAT SHRINKABLE POLYOLEFIN END CAP



Flat Adhesive



Spiral Adhesive

Product Dimensions

Minimum Full Recovery Temperature: 130 °C

Size		Expanded (as supplied)			Recovered	
		D (min)	L (min)	T (nom)	D (max)	T (nom)
mm	in					
12/5	(1/2")	12	35	1.0	5	2.5
16/8	(5/8")	16	60	1.0	8	2.5
20/8	(3/4")	20	65	1.0	8	2.5
25/11	(1")	25	70	1.0	11	2.5
30/16	(1-1/4")	30	80	1.0	16	3.0
35/17	(1-3/8")	35	80	1.0	17	2.6
40/15	(1-5/8")	40	75	1.0	15	2.6
55/26	(2")	55	100	1.0	26	2.5
75/31	(3")	75	120	1.0	31	3.2
100/40	(4")	100	110	1.5	40	5.0
120/57	(4-3/4")	120	120	1.5	57	4.4
140/63	(5-5/8")	140	150	1.7	63	4.0
200/95	(8")	200	150	1.7	95	4.0
245/95	(10")	245	150	1.7	95	4.0

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Dimensions are in mm (inches).

Part Number Examples:

DC-EC-F-12/5mm with Flat Adhesive
 DC-EC-S-20/8mm with Spiral Adhesive



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