

102L/SSC

Heat-shrinkable end caps

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FAX ID Description
4056 Data sheet

Before ordering check with
factory for most current data.



Applications

These 102L heat-shrinkable end caps (also sold as SSC end caps) are made from a thermally stabilized, modified polyolefin, which makes them highly resistant to moisture, fungus, and weathering. The end caps also have excellent electrical properties. End caps coated with sealant are available for underwater or underground applications with a pressure differential up to 20 psi between the inside of the cable and the outside environment. End caps may be used over lead, steel, aluminum, copper, polyethylene, polyolefin, EPR, and PVC jacketing materials.

Features/Benefits

- Self-sealing for waterproofing (sealant-coated parts only).
- Electrical insulation to 1000 V.
- Abrasion-resistance.
- Mechanical protection.
- Easy installation, requiring no special skills.
- Operating temperature range of -40°C to 85°C.
- Minimum shrink temperature of 121°C.

Specifications

Type	Raychem	Military/Commercial
SSC-XXX-FR	Nemosyne FR/M	MIL-I-81765/1A
SSC-X and SSC-XTV	SSC specification control drawing	PPS-3011/6
S-1017	RT-1050/1	
S-1297	Nemosyne 97/RW-2019	
102L0XX	RW-2024	

Product Dimensions (mm/in)

Commercial part number	Military part number	Inner diameter*		Part length		Wall thickness (nom.)
		As supplied (min.)	Recovered (max.)	Recovered ± 10 %	Recovered ± 20 %	
102L011	SSC-1	10 (.39)	4 (.16)	33.5 (1.32)	2.0 (.08)	
102L022	SSC-2	20 (.79)	7.5 (.30)	55.3 (2.18)	2.3 (.09)	
102L033	SSC-3	35 (1.38)	15 (.59)	89.9 (3.54)	3.0 (.12)	
102L044	SSC-4	55 (2.17)	25 (.98)	143.2 (5.64)	3.3 (.13)	
102L048	SSC-5	73 (2.87)	32 (1.25)	150.1 (5.91)	3.3 (.13)	
	SSC-5M1	73 (2.87)	32 (1.25)	79.25 (3.12)	3.3 (.13)	
102L055	SSC-6	100 (3.94)	45 (1.77)	162.5 (6.40)	4.0 (.16)	
102L066	SSC-7	120 (4.72)	70 (2.76)	145.0 (5.71)	3.8 (.15)	
				± .25	± .010	
	SSC-075-FR	19.05 (.75)	9.90 (.39)	76.2 (3.00)	2.03 (.08)	
	SSC-150-FR	38.10 (1.50)	20.06 (.79)	79.50 (3.13)	2.54 (.10)	

*Adhesive is optional. As-supplied dimensions appearing in table are for uncoated parts. When adhesive is added, entry diameters will be reduced by 1.5 mm (.06 in) maximum.

Ordering Information

Commercial		Military	
102L0XX-37-01/42	With valve and adhesive	SSC-XTV	Sealing end cap with adhesive S-1017 and valve
102L0XX-37/42	Without valve, with adhesive	SSC-X	Sealing end cap with adhesive S-1017
102L0XX-37/70	With mastic (no equal)	SSC-XU	End cap, uncoated
		SSC-XXX-FR U	End cap, uncoated, round end
		SSC-XXX-FR	Sealing end cap with adhesive S-1297, round end