

102L Heat Shrink End Cap

RAYCHEM | RAYCHEM 102L

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Energy & Power > Power Cable Accessories > Power Cable End Caps

TE's Raychem heat shrink end caps are designed to provide mechanical protection and an environmental seal to power cable ends.



Product Availability: Americas, Asia, Australia, New Zealand & Pacific Islands, China, Europe, Middle East & Africa

Adhesive Coating: With

Expanded Inside Diameter (Min): 55 mm

Flexibility: Semi-Rigid

Recovered Inside Diameter (Max): 25 mm

Our end caps may also be installed on pipes or poles made of plastic, metal or wood.

When the caps are combined in a kit, the product becomes a live end seal kit capable of insulating energized power cables up to 1000 V.

Our Raychem end caps are made of cross-linked polyolefin material that is halogen free and contains $\geq 2.5\%$ carbon black to protect it from ultra-violet light. It is both REACH and RoHS compliant.

Heat Shrink End Caps 102L are also manufactured with polyamide adhesive coating which melts and flows during the shrinking process creating a reliable moisture seal that is also fungus and weather resistant.

Key Features

- High range taking product line to cover diameters from 4 mm up to 207 mm
- Reliable seal against moisture and environmental contaminants
- Excellent electrical performance with high mechanical strength and impact resistance
- Cross-linked polyolefin material, halogen-free and non-corrosive. RoHS and REACH compliant
- Type tested as live end seal kit according to EN50393:2015
- Unlimited shelf-life

Know More

[Power Cable End Caps](#)

[Product Listing page](#)

Features

Reference Number

TE Internal Number	CAT-102L
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Product Type Features

Coating Style	Planar, Spiral
Installation Technology	Heat Shrink
Adhesive Coating	With

Electrical Characteristics

Voltage Class (kV)	≤ 1
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Body Features

Primary Product Material	Crosslinked Polyolefin
Shrink Ratio	> 2:1
Primary Product Color	Black
Flexibility	Semi-Rigid

Dimensions

Compatible Cable Diameter - Body (Max) (mm)	32, 50, 90
Compatible Cable Diameter - Body (Max) (in)	1.259, 1.968, 3.543
Recovered Overall Length (Min) (mm)	20, 40, 50, 54, 55, 90, 125, 127, 138, 150, 170, 180, 200, 220
Recovered Wall Thickness (Max) (Body) (mm)	2.3, 2.5, 2.8, 3, 3.1, 3.2, 3.4, 3.56, 3.6, 3.8, 3.9, 4
Wall Thickness	Thick/Heavy
Compatible Cable Diameter - Body (Min) (mm)	4.5, 16.5, 27, 49
Compatible Cable Diameter - Body (Min) (in)	.649, 1.063, 1.929
Expanded Inside Diameter (Min) (mm)	.98, 10, 12, 21.5, 32, 35, 40, 55, 57, 75, 100, 120, 170, 230
Recovered Inside Diameter (Max) (mm)	4, 7, 15, 25, 25.5, 32, 45, 60, 75, 80, 120
Recovered Overall Length (mm)	23, 38, 44, 45, 59, 60, 90, 100, 140, 143, 145, 160, 162, 165, 180, 200, 220, 250

Usage Conditions

Environmental Resistance	Contaminated Water, Moisture, Rain, Salt Water, Weathering
Fluid Resistance Type	Hydrocarbons, Transformer Oil
Flammability Performance	Non-Flame-Retardant

Operation/Application

UV-Stabilized	Yes
Mechanical Resistance	Against Mechanical Impact
Marine-Offshore-Shipbuilding Certified	No, Yes

Industry Standards

Compatible With Agency/Standards Products	CSA, UL
Compatible With Approved Standards Products	HD631.2, IEC 62329-3

Product Availability

Product Availability	Americas, Asia, Australia, New Zealand & Pacific Islands, China, Europe, Middle East & Africa
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SEE PRODUCTS ON NEXT PAGE

Products (1 of 5)



102L044-R05/S(S25)



102L048-R05/S(S25)



102L011/S(S100)



102L033-R05/S(S25)

TE Part #	BM5711N002	286711N002	004019N002	BM5710N002
Product Availability	Americas, Asia, Australia, New Zealand & Pacific Islands, China, Europe, Middle East & Africa	Americas, Asia, Australia, New Zealand & Pacific Islands, China, Europe, Middle East & Africa	Americas, Asia, Australia, New Zealand & Pacific Islands, China, Europe, Middle East & Africa	Americas, Asia, Australia, New Zealand & Pacific Islands, China, Europe, Middle East & Africa
Compatible Cable Diameter - Body (Min)				
Expanded Inside Diameter (Min)	55 mm	75 mm	12 mm	40 mm
Recovered Inside Diameter (Max)	25 mm	32 mm	4 mm	15 mm
Recovered Overall Length	140 mm	165 mm	44 mm	100 mm
EU RoHS Directive 2011/65 /EU	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant
EU ELV Directive 2000/53 /EC	Not Yet Reviewed for EU ELV	EU ELV Compliant	EU ELV Compliant	Not Yet Reviewed for EU ELV
Product Families	RAYCHEM	RAYCHEM	RAYCHEM	RAYCHEM
Series	RAYCHEM 102L	RAYCHEM 102L	RAYCHEM 102L	RAYCHEM 102L

***EU RoHS Directive 2011/65/EU**

These products comply with the substance restrictions of the Restriction on Hazardous Substances Directive 2011/65/EU (RoHS2). The RoHS2 Directive requires that certain electrical and electronic equipment products do not contain mercury, cadmium, hexavalent chromium, PBB, PBDE, lead, DEHP, BBP, DBP and DIBP above defined thresholds. Products indicated as 'Compliant' do not contain any of these substances above the prohibition thresholds. Finished electrical and electronic equipment products will be CE marked as required by the Directive. Components may not be CE marked.

****EU ELV Directive 2000/53/EC**

These products comply with the substance restrictions of the End of Life Vehicles Directive 2000/53/EC (ELV). The ELV Directive requires that materials and components of vehicles do not contain mercury, cadmium, hexavalent chromium, and lead above defined thresholds. Products indicated as 'Compliant' do not contain any of these substances above the prohibition thresholds.



Products (2 of 5)



102L077-R05/S(S5)



102L066-R05/S(S10)



102L011-R05/S(S100)



102L011-R07/S(S100)

TE Part #	EN8362N002	252509N002	381987N002	693593N002
Product Availability	Americas, Asia, Australia, New Zealand & Pacific Islands, China, Europe, Middle East & Africa	Americas, Asia, Australia, New Zealand & Pacific Islands, China, Europe, Middle East & Africa	Americas, Asia, Australia, New Zealand & Pacific Islands, China, Europe, Middle East & Africa	Americas, Asia, Australia, New Zealand & Pacific Islands, China, Europe, Middle East & Africa
Compatible Cable Diameter - Body (Min)				
Expanded Inside Diameter (Min)	170 mm	120 mm	12 mm	12 mm
Recovered Inside Diameter (Max)	80 mm	60 mm	4 mm	4 mm
Recovered Overall Length	250 mm	160 mm	44 mm	23 mm
EU RoHS Directive 2011/65 /EU	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant
EU ELV Directive 2000/53 /EC	Not Yet Reviewed for EU ELV	Not Yet Reviewed for EU ELV	Not Yet Reviewed for EU ELV	Not Yet Reviewed for EU ELV
Product Families	RAYCHEM	RAYCHEM	RAYCHEM	RAYCHEM
Series	RAYCHEM 102L	RAYCHEM 102L	RAYCHEM 102L	RAYCHEM 102L

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Products (3 of 5)



102L011-R15/S(S25)



102L044/S(S50)



102L048/S(S25)



102L048-R06/S(S25)

TE Part #	633988N002	160021N002	679413N002	544647N002
Product Availability	Americas, Asia, Australia, New Zealand & Pacific Islands, China, Europe, Middle East & Africa	Americas, Asia, Australia, New Zealand & Pacific Islands, China, Europe, Middle East & Africa	Americas, Asia, Australia, New Zealand & Pacific Islands, China, Europe, Middle East & Africa	Americas, Asia, Australia, New Zealand & Pacific Islands, China, Europe, Middle East & Africa
Compatible Cable Diameter - Body (Min)				
Expanded Inside Diameter (Min)	12 mm	55 mm	75 mm	75 mm
Recovered Inside Diameter (Max)	4 mm	25 mm	32 mm	32 mm
Recovered Overall Length	59 mm	140 mm	165 mm	165 mm
EU RoHS Directive 2011/65 /EU	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant
EU ELV Directive 2000/53 /EC	Not Yet Reviewed for EU ELV	EU ELV Compliant	Not Yet Reviewed for EU ELV	Not Yet Reviewed for EU ELV
Product Families	RAYCHEM	RAYCHEM	RAYCHEM	RAYCHEM
Series	RAYCHEM 102L	RAYCHEM 102L	RAYCHEM 102L	RAYCHEM 102L

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Products (4 of 5)



102L055-R06/S(S10)



102L055-R15/S(S10)



102L022-R05/S(S25)



102L033/S(S100)

TE Part #	952995N002	091528N002	BM5709N002	845013N002
Product Availability	Americas, Asia, Australia, New Zealand & Pacific Islands, China, Europe, Middle East & Africa	Americas, Asia, Australia, New Zealand & Pacific Islands, China, Europe, Middle East & Africa	Americas, Asia, Australia, New Zealand & Pacific Islands, China, Europe, Middle East & Africa	Americas, Asia, Australia, New Zealand & Pacific Islands, China, Europe, Middle East & Africa
Compatible Cable Diameter - Body (Min)				
Expanded Inside Diameter (Min)	100 mm	100 mm	21.5 mm	40 mm
Recovered Inside Diameter (Max)	45 mm	45 mm	7 mm	15 mm
Recovered Overall Length	145 mm	220 mm	60 mm	100 mm
EU RoHS Directive 2011/65 /EU	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant
EU ELV Directive 2000/53 /EC	Not Yet Reviewed for EU ELV	Not Yet Reviewed for EU ELV	EU ELV Compliant	Not Yet Reviewed for EU ELV
Product Families	RAYCHEM	RAYCHEM	RAYCHEM	RAYCHEM
Series	RAYCHEM 102L	RAYCHEM 102L	RAYCHEM 102L	RAYCHEM 102L

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Products (5 of 5)



102L033-R06/S(S25)



102L048-R16/S(S25)



102L022/S(C2000)



102L033-R09/S(S100)

TE Part #	184097N002	EN8360N002	738999N002	940305N002
Product Availability	Americas, Asia, Australia, New Zealand & Pacific Islands, China, Europe, Middle East & Africa	Americas, Asia, Australia, New Zealand & Pacific Islands, China, Europe, Middle East & Africa	Americas, Asia, Australia, New Zealand & Pacific Islands, China, Europe, Middle East & Africa	Americas, Asia, Australia, New Zealand & Pacific Islands, China, Europe, Middle East & Africa
Compatible Cable Diameter - Body (Min)				
Expanded Inside Diameter (Min)	40 mm	75 mm	21.5 mm	40 mm
Recovered Inside Diameter (Max)	15 mm	32 mm	7 mm	15 mm
Recovered Overall Length	100 mm	200 mm	60 mm	60 mm
EU RoHS Directive 2011/65 /EU	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant	EU RoHS Compliant
EU ELV Directive 2000/53 /EC	Not Yet Reviewed for EU ELV	Not Yet Reviewed for EU ELV	Not Yet Reviewed for EU ELV	Not Yet Reviewed for EU ELV
Product Families	RAYCHEM	RAYCHEM	RAYCHEM	RAYCHEM
Series	RAYCHEM 102L	RAYCHEM 102L	RAYCHEM 102L	RAYCHEM 102L

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Also in the Series | [RAYCHEM 102L](#)



Power Cable End Caps(42)