

COLD SHRINK EPDM TUBE

CPE

Description

Cold shrink connector insulator CPE are open-ended, tubular, rubber sleeves which are factory expanded and assembled onto a removable core. The core is removed after the tube has been positioned for installation over an inline connection, terminal lug, etc., allowing the tube to shrink and form a water-resistant seal. The insulating tube is made of EPDM rubber which contains no chlorides or sulfur.

Features/Benefits

- Simple installation, requires no tools.
- Accommodates a wide range of cable sizes.
- No torches or heat required. Good thermal stability.
- Seals tight, retains its resiliency and pressure even after prolonged years of aging and exposure.
- Excellent wet electrical properties.
- Improved, tougher rubber formulation to withstand backfilling.
- Water-resistant. Sealing class IP68, IP67(Equivalent to ANSI C119.1)
- No mastic or tape required to seal.
- Resists acids and alkalis, resists ozone.

Typical Applications

- Primary electrical insulation for all solid dielectric (rubber and plastic) insulated wire and cable splicing rated to 1000 volts.
- Direct burial or submersible. For indoor, outdoor.
- Physical protection and moisture sealing for air-insulated connectors and lugs such as spacer cable and lug connections to bus bar.
- Insulation of secondary splices, copper or aluminum conductors.
- Relocation of service. Dig-in repairs.
- Sheath repairs.
- Environmental sealing for communication and other non-electrical applications.
- Insulation of inline conductor transition connectors

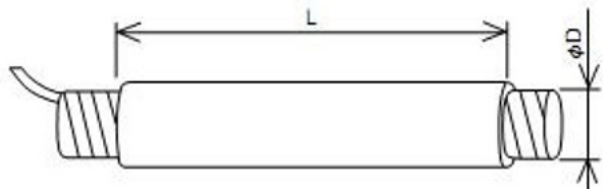
Typical Properties(Mechanical & Electrical)

EPDM Rubber

Properties	Typical Data	Test Method
300% Modulus	4.7Mpa	ASTM D 412-75
Ultimate Tensile Strength	11.8 MPa	ASTM D 412-75
Ultimate Elongation	750%	ASTM D 412-75
Tear Strength	38.6N/mm	ASTM D624C-73
Dielectric Strength	19.1KV/mm	ASTM D149-75
Moisture Absorption	Weight gain 1.8%	7 days, 90°C, H ₂ O
UV Resistance	2,000hrs, UVB-313 fluorescent lamp, exposure	ASTM G-53

We certify that the values provided are as accurate as possible. Use of these values, however, remains the sole responsibility of the customer and cannot in any way substitute for testing the product under real conditions of use. The user must assess whether this product is suitable for a particular use. KACAB shall not be held responsible for any loss or anomaly resulting from the correct or incorrect use of this product.

Selection Table



Product Number	T.I.D of Supporting Core (ØD) (mm)	Diameter Range (Min. – Max.)* Inches (mm)	Length After Shrink Inches (mm)	Material
CPE18-6	18	0.28 – 0.56 (7.2 – 14.3)	6.0(152)	EPDM
UCPE25-8A**	25	0.10 – 0.82 (2.54 – 20.9)	8.0(203)	EPDM
CPE25-8	25	0.40 – 0.82 (10 – 20.9)	8.0 (203)	EPDM
CPE32-9	32	0.47 – 1.06 (12 – 27)	9.0(223)	EPDM
CPE35-9	35	0.49 – 1.18 (12.5 – 30.1)	9.0 (229)	EPDM
CPE35-11	35	0.49 – 1.18 (12.5 – 30.1)	11.0 (279)	EPDM
CPE42-6	42	0.59 – 1.41 (15 – 36)	6.0 (152)	EPDM
CPE42-7	42	0.59 – 1.41 (15 – 36)	7(178)	EPDM
CPE42-12	42	0.59 – 1.41 (15 – 36)	12.0(305)	EPDM
CPE42-16	42	0.59 – 1.41 (15 – 36)	16.0(406)	EPDM
CPE45-7	45	0.66 – 1.54 (16.8 – 39)	7(178)	EPDM
CPE50-7	50	0.69 – 1.77 (17.5 – 45)	7.0(178)	EPDM
CPE50-8	50	0.69 – 1.77 (17.5 – 45)	8(203)	EPDM
CPE50-10	50	0.69 – 1.77 (17.5 – 45)	10(254)	EPDM
CPE58-6	58	0.81 – 2.08 (20.5 – 53)	6.0 (152)	EPDM
CPE58-12	58	0.81 – 2.08 (20.5-53)	12.0 (305)	EPDM
CPE58-18	58	0.81 – 2.08 (20.5 – 53)	18.0 (457)	EPDM
CPE58-24	58	0.81 – 2.08 (20.5 – 53)	24.0(610)	EPDM
CPE68-6	68	24 – 61	6(152)	EPDM
CPE68-8	68	24 – 61	8(203)	EPDM

* Minimum = Seal Diameter, Maximum = Max. Connector or Cable O.D.

**Product contains range-extending adapters(without adapters, E-CS25-8A/E-CS25-8 range are identical

IMPORTANT: use wire insulation/jacket diameters and connector O.D. For final sizes confirmation



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Product Number	T.I.D of Supporting Core (ØD) (mm)	Diameter Range (Min. – Max.)* Inches (mm)	Length After Shrink Inches (mm)	Material
CPE68-9	68	24 – 61	9(229)	EPDM
CPE68-10	68	24 – 61	10(254)	EPDM
CPE68-12	68	24 – 61	12(305)	EPDM
CPE68-13	68	24 – 61	13(330)	EPDM
CPE68-18	68	24 – 61	18(457)	EPDM
CPE68-39	68	24 – 61	38.9(990)	EPDM
CPE77-6	77	1.04 – 2.79 (26.55 – 71)	6.0 (152)	EPDM
CPE77-9	77	1.04 – 2.79 (26.55 – 71)	9.0 (229)	EPDM
CPE77-12	77	1.04 – 2.79 (26.55 – 71)	12.0 (305)	EPDM
CPE77-18	77	1.04 – 2.79 (26.55 – 71)	18.0 (457)	EPDM
CPE77-24	77	1.04 – 2.79 (26.55 – 71)	24.0(610)	EPDM
CPE90-9	90	31 – 83.3	9(229)	EPDM
CPE90-18	90	35 – 83.3	18(457)	EPDM
CPE90-24	90	35 – 83.3	24(610)	EPDM
CPE90-29.9	90	35 – 83.3	29.9(760)	EPDM
CPE105-9	105	1.63 – 3.81 (41.6 – 97)	9.0 (229)	EPDM
CPE105-18	105	1.63 – 3.81 (41.6 – 97)	18.0 (457)	EPDM
CPE105-24	105	1.63 – 3.81 (41.6 – 97)	24.0(610)	EPDM
CPE120-10	120	46 – 110	10(254)	EPDM
CPE120-24	120	46 – 110	24(610)	EPDM
CPE126-8.8	126	56 – 114	8.8(223)	EPDM
CPE126-10	126	56 – 114	10(254)	EPDM
CPE126-27.9	126	56 – 114	27.9(710)	EPDM
CPE140-10	140	60 – 125	10(254)	EPDM
CPE155-9	155	70 – 147	9(229)	EPDM
CPE155-12.6	155	70 – 147	12.6(320)	EPDM
CPE155-30.7	155	70 – 147	30.7(780)	EPDM

* Minimum = Seal Diameter, Maximum = Max. Connector or Cable O.D.

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