



ELECTRICAL
MECHANICAL
INSULATION

CEANUSA
EMI



3:1
STANDARD
SHRINK RATIO

Elbow Grounding/
Elbow Sealing Kits

CEGK/CESK



CEGK/CESK

CEGK Elbow Grounding Kit, for use on Metallic Tape Shielded Cables

CESK Elbow Sealing Kit seals and protects cable and load break elbows

Features

CEGK

- Convenient method of grounding Jacketed Concentric Neutral Cable terminated at a Load Break Elbow
- Solder Blocked Copper Braid Tape prevents moisture infiltration

CESK

- Excellent Insulation and Environmental Sealing Protection between Cable and Load Break Elbows
- Seal and Insulates External Grounds on Jacketed Concentric Neutral Cable and other types of cable
- Easy installation



Technical Data

Physical

Physical	Test Method	Typical Performance
Tensile Strength	ASTM D412, ISO 37	2100 psi (14.5MPa)
Elongation	ASTM D412, ISO 37	600%
Longitudinal Change	ASTM D2671	+1%, -10%
Specific Gravity	ASTM D792	1.1
Elongation after Heat Aging (168 hrs at 150°C)	ASTM D2671	500%
Heat Shock (4hrs at 225°C)	ASTM D2671	No cracking or flowing
Low Temperature Flexibility (4hrs at -55°C)	ASTM D2671	No cracking
Hardness (Shore D)	ASTM D2240	50D

Electrical

Dielectric Strength	ASTM-D149	500 V/Mil (20kV/mm)
Dielectric Voltage Withstand (2500 V, 60 Hz, 1 min.)	UL-486D	No Breakdown, 24kV-1 min, 15kV-4hrs
Volume Resistivity	ASTM D257	10 ¹⁶ ohm-cm

Chemical

Fluid Resistance	MIL-DTL-23053	Good to Excellent
Copper Corrosion	ASTM D2671	No Corrosion
Water Absorption	ASTM D570	0.1%
Fungus Resistance	ASTM G21	No Growth

Adhesive

Adhesive softening point	ASTM E28	92°C +/- 5°C
Adhesive peel strength (300mm/min at 23°C) - to steel, alum, P.E. - to PVC	ASTM D1000	35 pli 20 pli
Adhesive Lap Shear (1in./min at 23°C)	ASTM D1002	125 psi (0.875 MPa)
Adhesive Blocking (30°C)	ASTM-D1146	No blocking
Water Penetration	STM 706	No penetration after 236 hrs. (min) of continuous immersion.

CANUSA-EMI

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CANUSA-EMI is a global company providing electrical and mechanical insulation solutions for a variety of industries and applications. Starting from products created by extensive developmental research at Shaw Industries (incorporated 1955), CANUSA-EMI is a recognized world leader in the provisioning of high quality heat shrink products.

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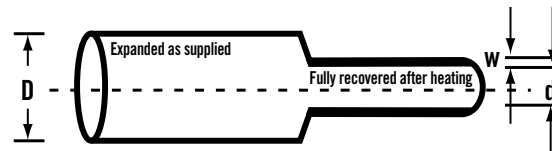
Dimensions

Elbow Grounding Kit - CEGK

PART NUMBER REF. NO. X	COPPER BRAID TAPE SHIELD		VOLTAGE CLASS (KV)	CABLE SIZE AWG/MCM
	LENGTH (IN)	WIDTH (IN)		
CEGK-1	24	0.50	5kV-15kV	#2-4/0
CEGK-1	24	0.50	25kV	#1-2/0
CEGK-2	24	0.75	5kV-25Kv	250-1000
CEGK-2	24	0.75	25kV	3/0-1000
CEGK-2	24	0.75	35kV	1/0-500
CEGK-3	24	1.00	35kV	750-1000

Elbow Sealing Kit - CESK

PART NUMBER REF. NO. XX	STANDARD TUBE LENGTH (IN)	CONDUCTOR SIZE AWG/MCM				GROUNDING KIT
		5KV	15KV	25KV	35KV	
CESK-1A	6	#2-4/0	#2-4/0	#1-2/0		CEGK-1
CESK-1B	9	#2-4/0	#2-4/0	#1-2/0		CEGK-1
CESK-1C	12	#2-4/0	#2-4/0	#1-2/0		CEGK-2
CESK-3A	9	250-1000	250-1000	3/0 -1000	1/0-1000	CEGK-2-3
CESK-3B	12	250-1000	250-1000	3/0-1000	1/0-1000	CEGK-2-3
CESK-4A	16	500-1000	500-1000	500-1000	500-1000	CEGK-2-3



Ordering

Select the appropriate kit from the table above based on Voltage Class and the conductor size.

To Order, Specify:

CEGK - ^{Ref. No.} X

CESK - ^{Ref. No.} XX

Kit Contents: **CEGK** - copper tape, stainless steel spring for attaching copper braid tape shield
CESK - one piece heavy wall CFW tubing, CTSB Sealing Tape to prevent moisture infiltration

Note: Custom sized kits are available on request.