



ELECTRICAL
MECHANICAL
INSULATION

CSNUSA
EMI



Motor Termination Kit

CMTK



CMTK

Motor termination kit insulates and protects stub or "V" type 600 Volt motor connections

Features

- Installs in minutes, reducing labor costs
- High impact and abrasion resistance provides excellent mechanical protection
- Heat indicating lines
- Thermoplastic Adhesive Liner provides complete environmental protection and insulation
- Continuous operating temperature: -55°C to 110°C
- Shrink temperature: 120°C



Technical Data

Physical

Property	Test Method	Typical Performance
Tensile Strength	ASTM D412, ISO 37	2100 psi (14.5 MPa)
Elongation	ASTM D412, ISO 37	550%
Longitudinal Change on Recovery	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 (4 hrs at -55°C)	ASTM D2671	No cracking
Hardness (Shore D)	ASTM D2240	50D

Seal Integrity

Room Temperature (23°C)	168hrs/40	No leaks
Temp. Cycling (-40°C to 60°C)	50 cycles/15psi	No leaks
Burst Pressure		100 psi (0.70 MPa)
Adhesive softening point	ASTM E28	92°C +/- 5°C
Adhesive peel strength (300mm/min at 23°C)	ASTM D1000 (mod.)	35 pli 20 pli
- to steel, alum, P.E. - to PVC		
Adhesive Lap Shear (1in./min at 23°C)	ASTM D1002	130 psi (0.91 MPa)
Adhesive Blocking (30°C)	ASTM D1146	No blocking
Water Penetration	STM-706	No penetration after 236 hrs. (min) of continuous immersion.

Electrical

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

CANUSA-EMI

There's no end to what we cover

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

Motor Termination Kits - Single hole, V-stub, standard and long barrel compression lug

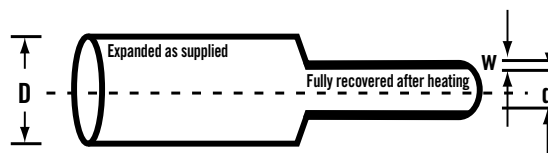
ORDER REF. NO.	NOMINAL CAP	MAXIMUM BOLT	MOTOR FEEDER SIZE	LUG LENGTH MAX
XX	IN	IN	AWG/MCM	IN
1V	3.5	0.625	#14 - #8	2.25
2V	4.0	0.75	#8 - #2	3.25
3V	4.5	1.00	#4 - 2/0	3.75
4V	5.0	1.50	2/0 - 500	4.25

Motor Termination Kits - Double hole, V-stub, standard and long barrel compression lug

ORDER REF. NO.	NOMINAL CAP	MAXIMUM BOLT	MOTOR FEEDER SIZE	LUG LENGTH MAX
XX	IN	IN	AWG/MCM	IN
1D	4.5	0.625	#14 - #8	3.50
2D	5.0	0.75	#8 - #2	4.00
3D	6.5	1.00	#4 - 2/0	5.50
4D	7.0	.50	2/0 - 500	6.00

Motor Termination Kits - Single hole, V-stub, standard and long barrel compression lug

ORDER REF. NO.	NOMINAL CAP	MAXIMUM BOLT	MOTOR FEEDER SIZE	LUG LENGTH MAX
XX	IN	IN	AWG/MCM	IN
1L	9.0	1.25	#8 - 4/0	5.00
2L	12.0	1.5	250-1000	8.00



Ordering

Select the appropriate Motor Termination Kit based on your cable conductor, bolt size, and lug length. Check the cable/bolt/lug dimensions to be sure they conform to the selected kit size.

To Order:

Order Ref. No.
CMTK - XX

Contents: Each kit includes 3 end caps, 3 sleeves, 3 protective tape strips and 3 pieces of CTSG-1 tape sealant.

Note: Custom sized kits are available upon request.