



ELECTRICAL
MECHANICAL
INSULATION

CSNUSA
EMI



Mining Cable
Splice Kit

CMSK



CMSK

Mining Cable Splice Kits permanently insulate and seal cable splices to 2kV

Features

- Quick and easy installation
- Covers many types of mining cables including round, flat, W, G, G-GC, PG and PCG cable types
- Outer sleeving will not split or rupture during normal installation, even on overheating
- Thermoplastic Adhesive Liner provides complete environmental protection and insulation
- Installation at temperatures as low as -40°C
- MSHA approved, #P-252-1



Technical Data

Physical

Property	Test Method	Typical Performance
Tensile Strength	ASTM D412, ISO 37	2100 psi (14.5 MPa)
Elongation	ASTM D412, ISO 37	600%
Elongation after Heat Aging (168 hrs at 175°C)	ASTM D2671, ISO 37	500% (250%)
Longitudinal Change on Recovery	ASTM D2671	+1%, -10%
Specific Gravity	ASTM D792	1.2
Heat Shock (4hrs at 225°C)	ASTM D2671	No cracking or flowing
Low Temperature Flexibility (4hrs at -55°C)	ASTM D2671	No cracking or splitting
Hardness (Shore D)	ASTM D2240	50D
Oxygen Index	ASTM D2863	27.00
Flammability	ASTM D2671	Flame Retardant

Electrical

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

Chemical

Fluid Resistance	MIL-DTL-23053/15	Good to Excellent
Copper Corrosion	ASTM D2671	No Corrosion
Water Absorption	ASTM D570	0.2%
Fungus Resistance	ASTM G21	No Growth

Adhesive

Adhesive softening point	ASTM E28	92°C +/- 5°C
Adhesive peel strength (300mm/min at 23°C)	ASTM D1000	35 pli
- to steel, alum, P.E.		20 pli
- to PVC		
Adhesive Lap Shear (1in./min at 23°C)	ASTM D1002	125 psi (0.875 MPa)
Adhesive Blocking (30°C)	ASTM D1146	No blocking
Adhesive Water Adsorption	ASTM D570	less than 0.3%
Water Penetration	STM 706	No penetration after 236 hrs. (min) of continuous immersion.

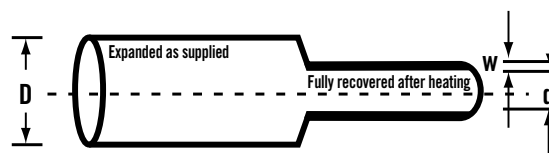
Dimensions

ORDER REF. NO. XXX-X	CABLE DIAMETER SIZE RANGE	TYPE G-ROUND POWER CONDUCTOR SIZE RANGE (AWG/MCM)			
		(G) 2/C	(G) 3/C	(G) 4/C	(G-GC) 3/C
046-A	0.8 - 1.2	#8 - #4	#8 - #6	#8 - #6	#8 - #6
047-A	1.2 - 2.0	#3 - 4/0	#4 - 1/0	#4 - 1/0	#4 - 1/0
058-A	1.5-3.0		2/0-500	2/0 - 4/0	2/0-500

ORDER REF. NO. XXX-X	CABLE DIAMETER SIZE RANGE	TYPE-P-ROUND POWER CONDUCTOR SIZE RANGE (AWG/MCM)			
		(PG) 2/C	(PG) 3/C	(PG) 4/C	(PG) 3/C
046-B	0.8 - 1.2	#8 - #4	#8 - #6	#8 - #4	#8 - #6
047-B	1.2 - 2.0	#3 - 4/0	#4 - 1/0		
058-B	1.5-3.0		2/0-500		

ORDER REF. NO. XXX-X	CABLE DIAMETER SIZE RANGE	TYPE W-ROUND POWER CONDUCTOR SIZE RANGE (AWG/MCM)			
		(W) 1/C	(W) 2/C	(W) 3/C	(W) 4/C
046-C	0.8 - 1.2	Contact Factory	#6 - #2	#6 - #3	#8 - #6
047-C	1.2 - 2.0		#1 - 2/0	#2 - 4/0	#4 - 1/0
058-C	1.5-3.0				2/0-4/0

ORDER REF. NO. XXX-X	CABLE DIAMETER SIZE RANGE	FLAT POWER CONDUCTOR SIZE RANGE (AWG/MCM)			
		(W) 2/C	(G) 2/C	(G) 3/C	(G-GC) 3/C
046-D	0.8 - 1.2	#4 - #1	#4 - #1		
047-D	1.2 - 2.0	1/0-4/0	1/0 - 4/0	#6 - #2	#6 - #2
058-D	1.5-3.0			#1 - 2/0	#1 - 2/0



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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Ordering

Select the appropriate CMSK Mining Cable Splice Kit based on your cable conductor size. Check the cable dimensions to be sure they conform to the selected kit size

To Order:

Order Ref. No.
CMSK - XXX-X

Contents: Each kit includes 4 inner sleeves and 1 larger outer sleeve

Note: Custom sized kits are available upon request.