

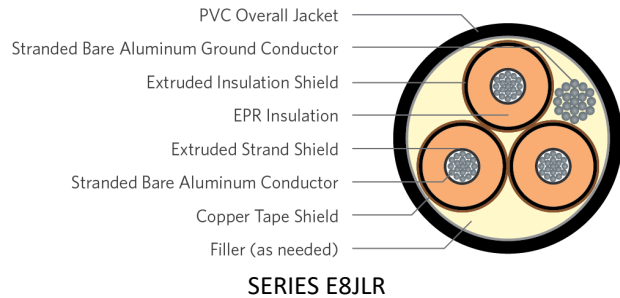
EPR/CTS/PVC Power, Type MV-105, 15kV 133% 220-mils E8JLR-1A3F03CB00

DESCRIPTION

The three conductor MV-105 power cables consist of aluminum unfilled Class B stranded conductors, covered with ethylene propylene rubber (EPR), copper tape shield, an uninsulated bare ground, and black PVC jacket. These cables are used in industrial power circuits.

APPLICATIONS

- Primary installations include cable trays, and outdoor locations : sunlight resistant and direct burial. In conduit, duct, free air, raceways.
- In wet or dry locations. Rated 105°C wet or dry.
- Approved for Class I, Div. 2 industrial hazardous locations per NEC
- For CT use for per UL 1072
- Designed to operate continuously at a conductor temperature not exceeding
 - » 105°C for normal operations
 - » 140°C for emergency overload
 - » 250°C for short circuit



CONSTRUCTION

CONDUCTOR	Bare 1350 Aluminum, Class B Strand (unfilled)
STRAND SHIELD	Thermoset semi-conducting polymer
INSULATION	EPR
INSULATION SHIELD	Thermoset semi-conducting polymer
SHIELD	5 mil annealed aluminum tape with 25% overlap
PHASE ID	Color ribbons in each phase (standard: black, red, blue)

CONSTRUCTION cont'd

GROUND CONDUCTOR	Uninsulated Bare Aluminum
JACKET	Black PVC
PACKAGING	Non-returnable reels

STANDARDS (Compliance)

PERFORMANCE	AEIC CS8 ASTM B231 ICEA S-93-639 ICEA S-97-682 NEC UL 1072 UL 1685
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OTHER	EPA 40 CFR, PART 261 OSHA
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SPECIFICATIONS

Part Number	Conductor Size AWG or kcmil	Conductor Diameter (in)	Insulation Diameter (in)	Jacket Thickness (in)	Ground Wire (AWG)	O.D. (in)	Net Weight (lbs / Mft)
E8JLR-023F03CB00	2	0.280	0.793	0.110	4	2.172	1,915

The dimensions and weights shown are nominal and subject to industry standards. Other designs available upon request.

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SPECIFICATIONS cont'd							
Part Number	Conductor Size AWG or kcmil	Conductor Diameter (in)	Insulation Diameter (in)	Jacket Thickness (in)	Ground Wire (AWG)	O.D. (in)	Net Weight (lbs / Mft)
E8JLR-013F03CB00	1	0.319	0.832	0.110	4	2.256	2,039
E8JLR-1A3F03CB00	1/0	0.355	0.872	0.110	4	2.342	2,300
E8JLR-A33F03CB00	350	0.648	1.132	0.140	1	2.881	3,582

The dimensions and weights shown are nominal and subject to industry standards. Other designs available upon request.