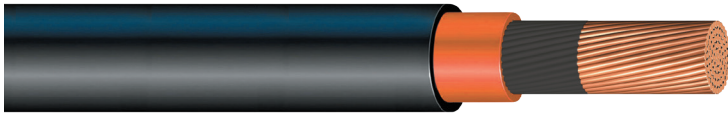


Traction Power Cable

LSZH MV-90 2.4KV



Single conductor / EPR insulated / XLPO jacket / 4/0 AWG to 1000 KCMIL / 2400 volt



Applications

These are single conductor 2.4KV power cables where low-smoke non-halogen cables are required, in areas requiring NFPA 130 compliance. They consist of an extruded thermosetting semiconducting conductor shield, an ethylene propylene rubber insulated conductor jacketed with a tough low smoke zero halogen (LSZH) crosslinked polyolefin (XLPO) jacket. They are highly heat, oil and moisture-resistant, extremely tough yet flexible, and can sustain 90°C wet or dry operating temperatures. A shielded version is available as well.

Physical Characteristics

Jacket Color: Black

Specifications

- Conductor: ASTM B 3 and ASTM B 8
- UL 1072, NFPA 130, IEEE 383, IEEE 1202, UL-1685
- UL listed

Ratings

- Voltage: 2400 Volts
- Temperature: 90°C Wet or Dry

Components

- A:** Class B stranded, bare copper conductor
Options: Class B solid, Class C, D, G and H stranded tinned or bare.
- B:** Semi-conducting thermoset extruded conductor shield
- C:** Ethylene Propylene Rubber (EPR) Insulation
- D:** Heat and moisture resistant, thermosetting, Low-Smoke Zero Halogen (LSZH), black cross-linked polyolefin (XLPO) jacket

Packaging

Non-returnable wood reels

Conductor Size	Stranding	Average Insulation Thickness in (mm)	Average Jacket Thickness in (mm)	Minimum Bend Radius in (cm)	Ampacity* 90°C	Cable O.D in (mm)	Approximate Cable Weight Lbs/Mft (Kg/Km)
4/0 AWG	19	0.125" (3.18)	0.095" (2.41)	6.5" (16.51)	400	1.02" (25.91)	1033 (1538)
500 KCMIL	37	0.140" (3.56)	0.110" (2.79)	8.5" (21.59)	695	1.35" (34.29)	2117 (3151)
750 KCMIL	61	0.155" (3.94)	0.125" (3.18)	9.6" (24.38)	900	1.60" (40.64)	3100 (4614)
1000 KCMIL	61	0.155" (3.94)	0.125" (3.18)	10.5" (26.67)	1075	1.75" (44.45)	3971 (5910)

*Ampacity based on ambient air temperature of 30°C in free air

*Representative spec - Draka manufactures to all transit and railroad specifications accordingly.

The data herein is approximate and subject to normal manufacturing tolerances.

Information is subject to change without notice. Consult factory for a variety of alternate constructions for specific applications.



Prysmian

4 Tesseneer Drive, Highland Heights, KY 41076
na.prysmian.com
SPL-RTF-0001-0424