



POWER KABEL INC.

TYPE MC-HL ALUMINUM CONDUCTORS 600V 3C 1/0 AWG-750KCMIL AL XHHW-2 + 3 BARE AL GROUNDS, AIA, JACKETED

APPLICATIONS & FEATURES

Type MC power cables are suited for use in wet and dry areas, conduits, ducts, troughs, trays, direct burial, aerial supported by a messenger, and where superior electrical properties are desired. These cables are capable of operating continuously at the conductor temperature not in excess of 90°C for normal operation in wet and dry locations, 130°C for emergency overload, and 250°C for short circuit conditions. For uses in Class I, II, and III, Division 2 hazardous locations per NEC Article 501 and 502. The ground is sized to 50% of the phase conductor with three separate bare grounds .

INDUSTRY COMPLIANCES

ASTM B800 8000 Series Aluminum Alloy Wire
 ASTM B836 Compact Rounded Stranded Aluminum Conductors
 UL 44 Thermoset Insulated wires and cables
 UL 1569 Metal-Clad Cables

UL 1685 - Flame Test
 IEEE 1202/FT4 - Flame Test (70,000 Btu/hr Vertical Tray Test)
 ICEA S-58-679 - Control Cable Conductor Identification Method 4
 ICEA S-95-658 NEMA WC70 - Power cables rated 2000 volts or less for the distribution of electrical energy

CONSTRUCTION

CONDUCTORS: Class B compact stranded 8000 Series aluminum per ASTM B800 and ASTM B836
INSULATION: Cross Linked Polyethylene (XLPE) Type XHHW-2
GROUND: Three separate ground wires with a combined circular mil of 50% of the phase conductor. Class B compact stranded 8000 Series aluminum per ASTM B800 and ASTM B836
FILLER: Paper for polypropylene filler
Binder: Polypropylene tape
ARMOR: Aluminum Interlocked Armor (AIA)
JACKET: Overall black polyvinyl chloride (PVC) jacket, which is heat, moisture and sunlight resistant

AWG/No OF CONDUCTORS	OD OF EACH INSULATED CONDUCTOR (INCHES)	INSULATION THICKNESS (INCHES)	DIAMETER OVER ARMOR (INCHES)	GROUND No X AWG	JACKET THICKNESS (MILS)	OD OF CABLE (INCHES)	NET WEIGHT (LBS/1000 FT)
1/0-3	0.336	55	1.173	3 x 6	50	1.273	806
2/0-3	0.376	55	1.26	3 x 6	50	1.36	926
3/0-3	0.423	55	1.361	3 x 4	50	1.461	1120
4/0-3	0.475	55	1.474	3 x 4	50	1.574	1301
250/3	0.52	65	1.614	3 x 2	60	1.734	1615
300/3	0.57	65	1.722	3 x 2	60	1.842	1820
350/3	0.616	65	1.921	3 x 2	60	2.041	2112
500/3	0.736	65	2.181	1 x 250	60	2.301	2760
600/3	0.813	80	2.412	3 x 1/0	75	2.562	3403
750/3	0.908	80	2.617	3 x 2/0	75	2.767	4066

All values are nominal and subject to correction