

POWER KABEL INC.

TYPE MC-HL ALUMINUM CONDUCTORS 600V

3C 1/0 AWG-75OKCMIL 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 ables rated 2000 volts or less for the distribution of electrical energy

	•	l 8000 Series aluminum	n ner ASTM B800 and AST										
INSULATION: Cross			Class B compact stranded 8000 Series aluminum per ASTM B800 and ASTM B836										
INSULATION. CIUSS	Linked Polyethylene	e (XLPE) Type XHHW-2											
	e separate ground wi 1 B836	ires with a combined c	ircular mil of 50% of the	ohase condutor. Cla	ss B compact stranded	8000 Series aluminur	n per ASTM B800 and						
FILLER: Paper	r for polypropylene f	iller											
Binder: Polyp	Polypropylene tape												
ARMOR: Alumi	Aluminum Interlocked Armor (AIA)												
JACKET: Overa	Overall black polyvinyl chloride (PVC) jacket, which is heat, moisture and sunlight resistant												

CONDUCTOR (INCHES)	THICKNESS (INCHES)	DIAMETER OVER ARMOR (INCHES)	GROUND No X AWG	JACKET THICKNESS (MILS)	OD OF CABLE (INCHES)	NET WEIGHT (LBS/1000 FT)
0.336	55	1.173	3 x 6	50	1.273	806
0.376	55	1.26	3 x 6	50	1.36	926
0.423	55	1.361	3 x 4	50	1.461	1120
0.475	55	1.474	3 x 4	50	1.574	1301
0.52	65	1.614	3 x 2	60	1.734	1615
0.57	65	1.722	3 x 2	60	1.842	1820
0.616	65	1.921	3 x 2	60	2.041	2112
0.736	65	2.181	1 x 250	60	2.301	2760
0.813	80	2.412	3 x 1/0	75	2.562	3403
0.908	80	2.617	3 x 2/0	75	2.767	4066
	(INCHES) 0.336 0.376 0.423 0.475 0.52 0.57 0.616 0.736 0.813	CONDUCTOR (INCHES) (INCHES) 0.336 55 0.376 55 0.423 55 0.423 55 0.52 65 0.57 65 0.616 65 0.736 65 0.813 80	CONDUCTOR (INCHES) (INCHES) ARMOR (INCHES) 0.336 55 1.173 0.376 55 1.26 0.423 55 1.361 0.475 55 1.474 0.52 65 1.614 0.57 65 1.722 0.616 65 1.921 0.736 65 2.181 0.813 80 2.412	CONDUCTOR (INCHES) (INCHES) ARMOR (INCHES) AWG 0.336 55 1.173 3 x 6 0.376 55 1.26 3 x 6 0.423 55 1.361 3 x 4 0.475 55 1.474 3 x 4 0.52 65 1.614 3 x 2 0.57 65 1.921 3 x 2 0.616 65 2.181 1 x 250 0.813 80 2.412 3 x 1/0	CONDUCTOR (INCHES) (INCHES) ARMOR (INCHES) AWG (MILS) 0.336 55 1.173 3 x 6 50 0.336 55 1.26 3 x 6 50 0.423 55 1.361 3 x 4 50 0.475 55 1.474 3 x 4 50 0.52 65 1.614 3 x 2 60 0.57 65 1.722 3 x 2 60 0.616 65 1.921 3 x 2 60 0.736 65 2.181 1 x 250 60 0.813 80 2.412 3 x 1/0 75	CONDUCTOR (INCHES)ARMOR (INCHES)AWG(MILS)(INCHES)0.336551.1733 x 6501.2730.376551.263 x 6501.360.423551.3613 x 4501.4610.475551.4743 x 4501.5740.52651.6143 x 2601.7340.57651.7223 x 2601.8420.616651.9213 x 2602.0410.736652.1811 x 250602.3010.813802.4123 x 1/0752.562