POWER KABEL INC.

TYPE MC-HL COPPER CONDUCTORS 600V

3C & 4C 8AWG-750 KCMIL COPPER XLP ALUMINUM ARMORED PVC JACKET

APPLICATIONS & FEATURES

XLPE/AIA/PVC 600 Volt Power Type MC Cables provide an excellent crush resistance and a cost effective alternative to installations in conduit in commercial, industrial and utility applications as well as being Sunlight, Oil and Chemical resistant. They may be used in raceways, direct buried, free air and wet or dry locations at 90°C. Permitted and approved for use per NEC Article 330 for Class 1 Div 2, Class 2 Div 2, and Class 3 Div 1 & 2 industrial hazardous locations.

INDUSTRY COMPLIANCES

Rated at 90°C wet or dry locations
Meets cold bend test at -25°C
UL Type MC
UL 44, UL 1569, UL 1581, UL 1685 (Flame Exposure Test)
ICEA S-95-658 NEMA WC70
ICEA T-29-520 210,000 BTU Flame Test
IEEE 1202/CSA FT4 70,000 BTU Flame Test
IEEE 383/UL1581 70,000 BTU Flame Test

CONSTRUCTION

CONDUCTORS:	Fully annealed bare copper Class B compressed strand per ASTM Standards
INSULATION:	Flame Retardant Cross-linked Polyethylene (FR-XLPE) Conductors are Type XHHW-2
GROUND:	Uninsulated, fully annealed bare copper Class B compressed strand per ASTM Standards
ASSEMBLY:	Conductors cabled together with non hygroscopic fillers as required to form a round cable core
ARMOR:	Aluminum Interlocked Armor (AIA)
JACKET:	Moisture and sunlight resistant, Flame Retardant Polyvinyl Chloride (FR-PVC) black

AWG/No of Conductors	Gound Wire AWG	Isulatiion Thickness (in)	Diameter Under Armor (in)	Jacket Thickness (in)	Overall Diameter (in)	Approx. Net Wt. (Lbs/Mft)
8/3	10	0.045	0.538	0.05	0.821	420
8/4	10	0.045	0.601	0.05	0.871	507
6/3	8	0.045	0.615	0.05	0.896	567
6/4	8	0.045	0.688	0.05	0.956	670
4/3	8	0.045	0.721	0.05	0.995	757
4/4	8	0.045	0.806	0.05	1.068	912
2/3	6	0.045	0.845	0.05	1.118	1075
2/4	6	0.045	0.946	0.05	1.212	1295
1/3	6	0.055	0.976	0.05	1.258	1269
1/4	6	0.055	1.093	0.05	1.368	1596
1/0-3	6	0.055	1.062	0.05	1.344	1528
1/0-4	6	0.055	1.191	0.05	1.465	1913
2/0-3	6	0.055	1.155	0.05	1.437	1860
2/0-4	6	0.055	1.294	0.05	1.688	2,345
3/0-3	4	0.055	1.264	0.05	1.543	2,259
3/0-4	4	0.055	1.417	0.06	1.807	2,878
4/0-3	4	0.055	1.379	0.06	1.784	2,840
4/0-4	4	0.055	1.512	0.06	1.9	3,586
250/3	4	0.065	1.501	0.06	1.91	3,275
250/4	4	0.065	1.676	0.06	2.106	4,194
350/3	3	0.065	1.723	0.06	2.153	4,396
350/4	3	0.065	1.925	0.06	2.355	5,646
500/3	2	0.065	2.002	0.06	2.462	6,104
500/4	2	0.065	2.24	0.075	2.7	7,838
750/3	1	0.065	2.455	0.075	2.915	8,660
750/4	1	0.065	2.795	0.075	3.24	11,494

All values are nominal and subject to correction.