



# POWER KABEL INC.

## TYPE MC-HL #14-10 AWG MULTICONDUCTOR COPPER XLP CONDUCTORS ALUMINUM ARMORED PVC JACKET 600V

### APPLICATIONS & FEATURES

XLPE/AIA/PVC 600 Volt Control 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

<b>CONDUCTORS:</b>	Fully annealed bare copper Class B compressed strand per ASTM Standards
<b>INSULATION:</b>	Flame Retardant Cross-linked Polyethylene (FR-XLPE) Conductors are Type XHHW-2
<b>GROUND:</b>	Uninsulated, fully annealed bare copper Class B compressed strand per ASTM Standards
<b>ASSEMBLY:</b>	Conductors are cabled together with or without non hygroscopic fillers as required to form a round cable core
<b>ARMOR:</b>	Aluminum Interlocked Armor (AIA)
<b>JACKET:</b>	Moisture and sunlight resistant, Flame Retardant Polyvinyl Chloride (FR-PVC) black

AWG/No of CONDUCTORS	GROUND WIRE AWG	INSULATION THICKNESS (INCHES)	DIAMETER UNDER ARMOR (INCHES)	JACKET THICKNESS (INCHES)	OUTSIDE DIAMETER (INCHES)	POUNDS PER 1000 FT
14/2	14	0.03	0.288	0.05	0.581	160
14/3	14	0.03	0.309	0.05	0.625	180
14/4	14	0.03	0.345	0.05	0.665	210
14/5	14	0.03	0.384	0.05	0.695	230
14/7	14	0.03	0.425	0.05	0.751	275
14/9	14	0.03	0.524	0.05	0.821	330
14/12	14	0.03	0.587	0.05	0.895	400
14/19	14	0.03	0.702	0.05	0.951	550
14/25	14	0.03	0.905	0.05	1.155	730
14/27	14	0.03	1.051	0.05	1.301	980
12/2	12	0.03	0.326	0.05	0.602	196
12/3	12	0.03	0.351	0.05	0.612	226
12/4	12	0.03	0.391	0.05	0.654	246
12/5	12	0.03	0.435	0.05	0.706	302
12/7	12	0.03	0.486	0.05	0.743	362
12/9	12	0.03	0.594	0.05	0.891	458
12/12	12	0.03	0.665	0.05	0.935	545
12/19	12	0.03	0.801	0.05	1.081	779
12/25	12	0.03	0.981	0.05	1.301	1040
12/37	12	0.03	1.111	0.05	1.498	1430
10/2	10	0.03	0.373	0.05	0.658	240
10/3	10	0.03	0.401	0.05	0.721	312
10/4	10	0.03	0.451	0.05	0.731	343
10/5	10	0.03	0.563	0.05	0.855	423
10/7	10	0.03	0.616	0.05	0.882	509
10/9	10	0.03	0.741	0.05	1.021	630
10/12	10	0.03	0.807	0.05	1.077	758

All values are nominal and subject to correction.