



POWER KABEL INC.

TYPE MC-HL ALUMINUM CONDUCTORS 600V
3C & 4C 6 AWG-900 KCMIL ALUMINUM XLP ALUMINUM ARMORED

APPLICATIONS & FEATURES:

Aluminum conductor MC Cable is suitable for use as follows: Branch, feeder and service power distribution in commercial, industrial, and multi-residential buildings, power, lighting, control and signal circuits. Suitable for use in cable trays, approved raceways, concealed or exposed installations, environmental air-handling spaces, risers, as well as hazardous locations as permitted in articles 501,502,503 and 504.

INDUSTRY COMPLIANCES

UL 44, 83, 1569 for Type MC Cable for CT Use ASTM B800 & B801
 NEMA WC-70/ICEA S-95-658 NEC 518.4, NEC 520.5, NEC 645.5, and NEC 300.22 for
 IEEE 1202 70,000 BTU/HR Vertical Tray Flame Test environmental air-handling spaces

CONSTRUCTION

CONDUCTORS: Compact strand 8000 series aluminum alloy conductors
INSULATION: Color coded cross-linked polyethylene XHHW-2 AA-8000 XLP insulation
ASSEMBLY: A binder tape is wrapped over the insulated conductors
GROUND WIRE: Bare Aluminum
ARMOR: Overall Aluminum linterlocked Armor (AIA)

AWG SIZE & STDS	NUMBER OF CONDUCTORS	GROUND WIRE (AWG)	Insulation Thickness (INCHES)	DIAMETER OVER ARMOR (INCHES)	NET WGT (LBS/1000')
6	3	6	0.045	0.91	265
6	4	6	0.045	0.98	328
4	3	6	0.045	1.01	335
4	4	6	0.045	1.09	408
2	3	6	0.045	1.13	438
2	4	6	0.045	1.23	540
1	3	4	0.055	1.25	548
1	4	4	0.055	1.36	677
1/0	3	4	0.055	1.33	633
1/0	4	4	0.055	1.45	787
2/0	3	4	0.055	1.42	735
2/0	4	4	0.055	1.55	920
3/0	3	4	0.055	1.52	862
3/0	4	4	0.055	1.67	1084
4/0	3	2	0.055	1.64	1038
4/0	4	2	0.055	1.82	1350

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AWG SIZE & STDS	NUMBER OF CONDUCTORS	GROUND WIRE (AWG)	Insulation Thickness (INCHES)	DIAMETER OVER ARMOR (INCHES)	NET WGT (LBS/1000')
250	3	2	0.065	1.79	1198
250	4	1	0.065	1.98	1600
300	3	2	0.065	1.92	1415
300	4	1	0.065	2.11	1805
350	3	2	0.065	2.02	1586
350	3	1/0	0.065	2.02	1706
350	4	1/0	0.065	2.22	2047
400	3	1	0.065	2.12	1770
400	3	2/0	0.065	2.12	1910
400	4	1/0	0.065	2.33	2552
400	4	3/0	0.065	2.33	2446
400	4	350	0.065	2.48	2800
500	3	1	0.065	2.29	2099
500	3	2/0	0.065	2.26	2296
500	3	250	0.065	2.29	2366
500	4	2/0	0.065	2.53	2723
500	4	4/0	0.065	2.53	2940
500	4	250	0.065	2.53	2975
600	3	1	0.08	2.53	2511
600	3	400	0.08	2.53	2931
600	4	2/0	0.08	2.80	3292
600	4	400	0.08	2.80	3507
750	3	1/0	0.08	2.75	3015
750	3	3/0	0.08	2.75	3217
750	3	750	0.08	2.86	3792
750	4	3/0	0.08	3.04	3928
750	4	350	0.08	3.04	4048
750	4	400	0.08	3.04	4110
750	4	600	0.08	3.13	4318
750	4	750	0.08	3.18	4480
900	3	500	0.08	2.95	3849

All values are nominal and subject to correction.