



POWER KABEL INC.

CONTINUOUSLY WELDED CORRUGATED CABLE TYPE MC-HL 600V

Shielded Paired and Triad (SPOS & STOS) Cable MC-HL Aluminum Armor 90°C

APPLICATIONS & FEATURES

Control Cable features 16 AWG pairs or triad construction with an overall foil shield and drain wire. It is suitable for use in Class I, II & III Division 1 and 2 hazardous locations. This includes Remote-Control Signaling circuits, or where 600V cable is needed for process control, instrumentation or computer cable transmitting at levels above 100 mili-volts in circuits where minimum noise is required. The overall shield provides protection from external interference but not between group interference. It may be installed indoors or outside, in wet or dry locations and is sunlight resistant and can be direct buried. It may also be used in cable tray. It is often used in industrial plant settings.

INDUSTRY COMPLIANCES

UL Listed MC Cable

UL Listed as Type MC-HL UL Listed for cable tray use

UL83, UL1581, UL1569, UL2225

Meets NEC Articles 250-118, 501, 502, 503, 504, 505, and 725 for hazardous locations. Sunlight Resistant, Direct Burial, Oil Resistant

CONSTRUCTION

CONDUCTORS:	Primary conductors are stranded, soft drawn annealed copper.
INSULATION:	Polyvinyl Chloride (PVC), 15 mils plus 4 mils of Nylon, color coded for identification
ASSEMBLY	Pairs or Triads are assembled left hand lay, with non-wicking fillers as needed for a round finish with an overall aluminum / polyester shield with 7-strand tinned copper drain wire.
INNER JACKET:	Polyvinyl Chloride (PVC) with rip cord for easy removal.
ARMOR:	Continuously welded, impervious, corrugated aluminum armor. Exceeds the grounding requirements of NEC 250.122.
OUTER JACKET:	Black Polyvinyl Chloride (PVC)

AWG	No OF PAIRS	No OF TRIADS	INNER JACKET THICKNESS (MILS)	ARMOR OD (INCHES)	OUTER JKT THICKNESS (MILS)	Outer Jacket (INCES)	Approx. Net Wt. (Lbs/Mft)
16	1		50	0.53	50	0.65	184
16	2		50	0.67	50	0.76	234
16	4		50	0.8	50	0.91	335
16	6		50	0.89	50	1.00	421
16	8		50	0.93	50	1.04	492
16	10		50	1.06	50	1.17	601
16	12		50	1.11	50	1.22	674

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16	16		50	1.29	50	1.40	842
16	20		50	1.34	50	1.45	977
16	24		50	1.42	50	1.53	1118
16	36		50	1.69	50	1.82	1586
16	50		50	1.92	50	2.05	2124
16		1	50	0.53	50	0.65	192
16		4	50	0.84	50	0.95	395
16		8	50	1.06	50	1.17	637
16		12	50	1.29	50	1.40	863
16		16	50	1.37	50	1.48	1058
16		24	50	1.64	50	1.78	1485
16		36	50	1.96	50	2.09	2141

All values are nominal and subject to correction.