

LUMINARY MC CABLE

COPPER THHN/TFN CONDUCTORS, INTERLOCKED ARMOR

TYPE MC-PCS, 600VOLTS, 90DEG C

CONSTRUCTION:

CONDUCTOR SOLID OR STRANDED SOFT DRAWN BARE COPPER.

INSULATION PVC/NYLON. CONDUCTOR SIZES 14 AND LARGER ARE TYPE THHN. SIZES 16 AND SMALLER ARE TYPE TFN.

POWER CONDUCTORS TWO OR THREE CONDUCTORS OF TYPE THHN, COLOR CODED AS SHOWN BELOW.

CONTROL/SIGNAL PAIR TWO INSULATED CONDUCTORS OF #16 SOLID TFN, COLOR CODED PURPLE AND GRAY, ARE TWISTED TOGETHER WITH A PVC JACKET OVER THE PAIR.

GROUND 1 SOLID OR STRANDED COPPER CONDUCTOR WITH GREEN PVC/NYLON INSULATION.

ASSEMBLY POWER CONDUCTORS, CONTROL/SIGNAL PAIR, AND GROUND CABLED TOGETHER WITH CABLE TAPE.

ARMOR ALUMINUM INTERLOCKED ARMOR APPLIED OVER CABLE ASSEMBLY.

Charlotte Wire Part#	Size AWG	Number of Power Condr's	Strand Type	Color Code of Power Conductors	Twisted Pair (Purple/Gray)	Ground Size & Type (AWG)	Overall Diameter (in.)	Approx. Net Wt. (Lbs/Mft)
CW18060	12	2	Solid	BLACK - WHITE	2/C #16	1 - #12 Solid	.63"	160
CW18061	12	2	Solid	RED - WHITE	2/C #16	1 - #12 Solid	.63"	160
CW18062	12	2	Solid	BLUE - WHITE	2/C #16	1 - #12 Solid	.63"	160
CW18063	12	2	Solid	BROWN - GRAY	2/C #16	1 - #12 Solid	.63"	160
CW18064	12	2	Solid	ORANGE - GRAY	2/C #16	1 - #12 Solid	.63"	160
CW18065	12	2	Solid	YELLOW - GRAY	2/C #16	1 - #12 Solid	.63"	160
CW18066	12	2	Stranded	BLACK - WHITE	2/C #16	1 - #12 Stranded	.64"	163
CW18067	12	2	Stranded	BROWN - GRAY	2/C #16	1 - #12 Stranded	.64"	163
CW18068	12	3	Solid	BLACK - RED - WHITE	2/C #16	1 - #12 Solid	.67"	185
CW18069	12	3	Solid	BROWN - ORANGE - GRAY	2/C #16	1 - #12 Solid	.67"	185
CW18070	12	3	Stranded	BLACK - RED - WHITE	2/C #16	1 - #12 Stranded	.68"	188
CW18071	12	3	Stranded	BROWN - ORANGE - GRAY	2/C #16	1 - #12 Stranded	.68"	188
CW18072	10	2	Solid	BLACK - WHITE	2/C #16	1 - #10 Solid	.68"	204
CW18073	10	2	Solid	BROWN - GRAY	2/C #16	1 - #10 Solid	.68"	204
CW18074	10	3	Solid	BLACK - RED - WHITE	2/C #16	1 - #10 Solid	.76"	256

APPLICATION:

Suitable for power, lighting, control, and signal circuits rated up to 600Volts. Cable construction allows for control/signal circuits to be placed in the same cable as power circuits. Interlocked armor cables provide excellent corrosion resistance and mechanical protection. Per NEC Article 330, may be used 1) indoors (exposed or concealed), 2) in dry locations, including being embedded in plaster finish on brick or other masonry, and 3) outdoors, including as aerial cable on a messenger.

STANDARDS:

UL 83 for Type THHN/THWN Conductors.
UL66 for Type TFN Conductors.
UL1569 for Type MC Cables.
UL1479 for Fire Test of Penetration Firestops.
NEC Article 330 for Metal-Clad Cable.

OPTIONAL CONSTRUCTIONS:

Galvanized Steel Armor.
PVC Jacket over armor.