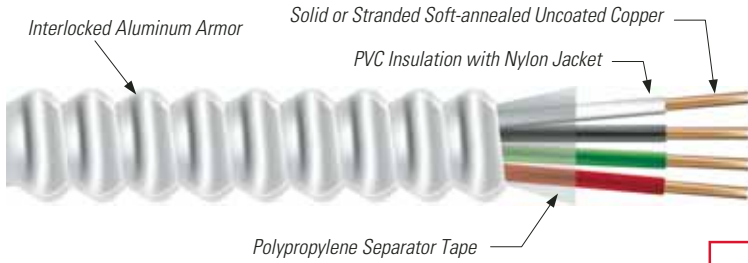




UNITED COPPER INDUSTRIES
COPPER BUILDING WIRE & CABLE PRODUCTS

MC



Type MC
Metal-Clad Cable - 600 volts

Applications

Type MC cable is suitable for use as feeder and service power distribution in commercial, industrial, institutional, and multi-residential buildings; power, lighting, control, and signal circuits; fished or embedded in plaster; concealed or exposed installations; environmental air-handling spaces per NEC 300.22(C); Places of Assembly per NEC 518.4 and theaters per NEC 520.5., as aerial cable on a messenger; installation in cable tray and approved raceways; and under raised floors for information technology equipment conductors and cables per NEC 645.5(D) & 645.5(D)(2).

Specifications

Type MC cable meets or exceeds all applicable ASTM Specifications, UL Standard for Safety 1569, UL Standard for Safety 1581, UL Standard for Safety 83, Federal Specification A-A-59544 and requirements of the National Electrical Code® (NFPA 70).

Construction

Type MC cable is constructed with cabled copper conductors that are soft annealed copper, insulated with a tough, heat and moisture resistant lead-free polyvinyl chloride (PVC) over which a nylon (polyamide) or UL listed equivalent jacket is applied (Type THHN and THWN). The assembly is wrapped with polypropylene tape, and covered with interlocking aluminum armor.

Recommended Sample Specifications

Cable shall be UL listed type MC, suitable for operation at 600 volts in all installations as specified by the National Electrical Code®. Conductors shall be annealed copper, insulated with high-heat, moisture resistant, and lead-free PVC; jacketed with abrasion, moisture, gasoline, and oil resistant nylon or UL listed equivalent; wrapped with polypropylene tape; and covered with interlocking aluminum armor.

Trade Size	Conductor Colors	Armor Diameter (Inches) ¹	Grounding Conductor ² (AWG)	Approx. Weight per 1000' (lb.)	Standard Package	
120 Volt						
	Circuits	Ground				
14/2 Solid	Black, White	Green	.460	14	85	AC
14/3 Solid	Black, White, Red	Green	.480	14	107	AC
12/2 Solid	Black, White	Green	.500	12	110	AC
12/3 Solid	Black, White, Red	Green	.510	12	140	AC
12/4 Solid	Black, White, Red, Blue	Green	.540	12	167	AC
10/2 Solid	Black, White	Green	.570	10	158	ABC
10/3 Solid	Black, White, Red	Green	.580	10	200	AC
10/4 Solid	Black, White, Red, Blue	Green	.660	10	227	AC
12/2 Stranded	Black, White	Green	.500	12	110	AC
12/3 Stranded	Black, White, Red	Green	.510	12	140	AC
12/4 Stranded	Black, White, Red, Blue	Green	.540	12	167	AC
10/2 Stranded	Black, White	Green	.570	10	158	AC
10/3 Stranded	Black, White, Red	Green	.580	10	200	AC
10/4 Stranded	Black, White, Red, Blue	Green	.660	10	227	AC
8/2 Stranded	Black, White	Green	.720	10	258	B
8/3 Stranded	Black, White, Red	Green	.780	10	338	B
6/2 Stranded	Black, White	Green	.790	8	369	B
6/3 Stranded	Black, White, Red	Green	.870	8	427	B
480Y/277 Volt						
12/2 Solid	Brown, Grey	Green	.500	12	110	AC
12/2 Solid	Brown, Orange	Green	.500	12	110	AC
12/2 Solid	Brown, Yellow	Green	.500	12	110	AC
12/2 Solid	Brown, Grey	Green	.500	12	110	AC
12/2 Solid	Orange, Yellow	Green	.500	12	110	AC
12/2 Solid	Yellow, Grey	Green	.500	12	110	AC
12/3 Solid	Brown, Orange, Grey	Green	.510	12	140	AC
12/3 Solid	Brown, Yellow, Grey	Green	.510	12	140	AC
12/3 Solid	Orange, Yellow, Grey	Green	.510	12	140	AC
12/4 Solid	Brown, Orange, Yellow, Grey	Green	.540	12	167	AC
¹ +/- .005 inches ² Insulated, Green				STANDARD PACKAGING CODE: A -250' Coil B -500' Reel C -1000' Reel		



THROUGH-PENETRATION PRODUCTS FOR USE IN THROUGH-PENETRATION FIRESTOP SYSTEMS SEE UL FIRE RESISTANCE DIRECTORY CONTROL NUMBER 312W

UL Classified 1, 2, and 3 Hour Through-Penetration Firestop Systems: C-AJ-3259, W-L-3299



REVISED 02.09.06