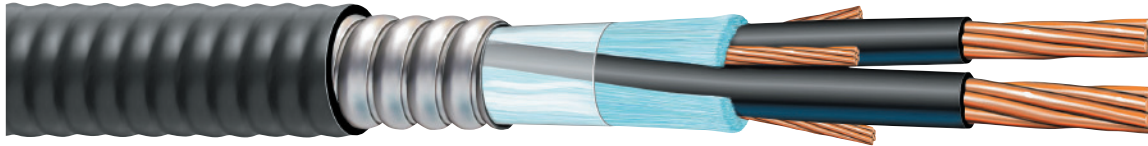


Type MC Power Cable

3 XHHW-2 XLPE insulated conductors / 3 bare grounds / 8 AWG to 750 KCMIL
PVC or CPE jacket / 600 volt



Applications

For use as power and control circuits in industrial plants. Type MC cable is approved for use where exposed to direct sunlight or in cable trays or directly buried and in Class I Division 2, Class II Divisions 2, Class III Divisions 1 and 2, Hazardous Locations as defined in Articles 500, 501, 502 and 503 of the National Electrical Code (NEC).

This flame-retardant cable complies with UL Tray and ICEA T-30-520 for 70,000 BTU/HR. The finished cable also passes the 210,000 BTU/HR vertical tray flame test detailed in T-29 520.

Specifications and Ratings

- UL Standard 44
- UL Standard 1569
- National Electrical Code Articles 310, 318, 334
- ICEA T-29-520, T-30-520

Design Parameters

CONDUCTORS: Bare soft copper per ASTM B 3 concentrically stranded per ASTM B 8, and wrapped when necessary with a polyester separator tape to ease insulation stripping.

INSULATION: High dielectric strength, flame, heat and moisture resistant crosslinked polyethylene (XLPE) rated for continuous use at 90°C wet or dry per UL 44 for XHHW-2 wire.

GROUND CONDUCTORS: Stranded copper per ASTM B3 & B8.

CIRCUIT IDENTIFICATION: Insulation number printed per ICEA 5-73-532 Method 4 (1-ONE, 2-TWO, etc).

ASSEMBLY: Insulated conductors and 3 uninsulated bare grounding conductors are cabled, using non-hygroscopic fillers where necessary, to form a round compact core. The cabled core is wrapped with a binder.

ARMOR: Helically applied interlocked steel (25 mils) or aluminum (25 or 34 mils) armor meeting UL 1569.

JACKET: Abrasion, oil / chemical resistant and highly flame retardant polyvinyl chloride (PVC) or chlorinated polyethylene (CPE) jacket meeting UL 1569.

Prysmian Group

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Type MC Power Cable

3 XHHW-2 XLPE insulated conductors / 3 bare grounds / 8 AWG to 750 KCMIL / PVC or CPE jacket / 600 volt

Part Number	Conductor AWG (Stranding)	Insulation Thickness in (mm)	Ground Conductor AWG (Stranding)	Jacket Thickness in (mm)	Nominal Outside Diameter in (mm)	Approximate Cable Weight Steel Armor Lbs/Mft (Kg/Km)	Aluminum Armor Lbs/Mft (Kg/Km)
295555	8 AWG (7/0486)	.045 (1.1)	10 (7x0385)	.050 (1.3)	.78 (19.8)	550 (818)	410 (610)
295559	6 AWG (7/0612)	.045 (1.1)	8 (7x0486)	.050 (1.3)	.86 (21.8)	710 (1056)	550 (818)
295563	4 AWG (7/0772)	.045 (1.1)	8 (7x0486)	.050 (1.3)	1.00 (25.4)	970 (1443)	760 (1131)
295567	2 AWG (7/0974)	.045 (1.1)	6 (7x0612)	.050 (1.3)	1.13 (28.7)	1320 (1964)	1080 (1607)
295571	1 AWG (19/0664)	.055 (1.4)	6 (7x0612)	.050 (1.3)	1.26 (32.0)	1600 (2470)	1320 (1964)
295574	1/0 AWG (19/0745)	.055 (1.4)	6 (7x0612)	.050 (1.3)	1.35 (34.3)	1870 (2782)	1570 (2336)
295577	2/0 AWG (19/0837)	.055 (1.4)	4 (7x0772)	.050 (1.3)	1.44 (36.6)	2210 (3288)	1880 (2797)
295580	3/0 AWG (19/0940)	.055 (1.4)	4 (7x0772)	.060 (1.5)	1.63 (41.4)	2750 (4092)	2420 (3601)
295583	4/0 AWG (19/1055)	.055 (1.4)	4 (7x0772)	.060 (1.5)	1.75 (44.4)	3270 (4866)	2910 (4330)
295586	250 KCMIL (37/0822)	.065 (1.6)	4 (7x0772)	.060 (1.5)	1.89 (48.0)	3780 (5625)	3380 (5029)
295592	350 KCMIL (37/0973)	.065 (1.6)	3 (7x0867)	.060 (1.5)	2.12 (53.8)	4970 (7395)	4510 (8050)
295601	500 KCMIL (37/1162)	.065 (1.6)	2 (7x0974)	.075 (1.9)	2.44 (62.0)	6770 (10074)	6240 (9285)
295612	750 KCMIL (61/1109)	.080 (2.0)	1 (19x0664)	.075 (1.9)	2.90 (73.7)	9730 (14478)	9090 (13525)

Part numbers are for galvanized steel armor and PVC jacketed cables only.

The data herein is approximate and subject to normal manufacturing tolerances. These specifications are subject to change without notice.

Consult factory for a variety of alternate constructions for specific applications.