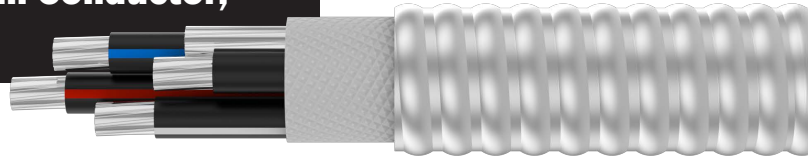




Three or Four Conductor UL Type MC, Aluminum Conductor, XHHW-2, AIA, 90°C Dry, Rated 600 V



APPLICATIONS

UL Type MC cables with XHHW-2 conductors are primarily used for services, feeders and branch circuits in commercial and residential applications in accordance with the NEC. Suitable applications include for indoor power and lighting circuits, exposed or concealed, cable tray, raceway (conduit) and embedded in plaster or in contact with masonry. The cable is suitable for dry locations only at temperatures not to exceed 90°C. The cable is rated 600 V.

CONSTRUCTION

Conductor: Annealed compact stranded AA-8000 series Aluminum Conductor Material (ACM).

Insulation: Abrasion, moisture, and heat resistant black crosslinked polyethylene (XLPE) with colored stripe.

Assembly: Cabled assembly with an equipment grounding conductor and a binder tape overall.

Armor: Aluminum Interlocked Armor (AIA).

CONDUCTOR IDENTIFICATION

Three Conductors: Black, Black with Red Stripe, Black with White Stripe

Four Conductors: Black, Black with Red Stripe, Black with Blue Stripe, Black with White Stripe

VOLTAGE RATING: 600 V

TEMPERATURE RATING

Dry

90°C

MINIMUM BENDING RADIUS

Not Under Tension:

7x outer diameter

Under Tension (During Pull):

10.5x outer diameter

STANDARDS

These cables are manufactured and tested to meet or exceed the following standards:

- ASTM B800 – 8000 Series Aluminum Alloy Wire for Electrical Purposes— Annealed and Intermediate Tempers
- ASTM B801 – Concentric-Lay-Stranded Conductors of 8000 Series Aluminum Alloy for Subsequent Covering or Insulation
- UL 44 – Thermoset-Insulated Wires and Cables
- UL 1479 – Fire Tests of Through-Penetration Firestops
- UL 1569 – Metal-Clad Cables.
- ICEA S-95-658 / NEMA WC70 – Power Cables Rated 2000 Volts or Less for the Distribution of Electrical Energy
- Federal Specification J-C-30B

LISTINGS AND CERTIFICATIONS

UL listed as Type MC – File E487848

UL Classified 1, 2, and 3 Hour Through-Penetration Firestop Systems

Item Number	Cable Description	Conductor Size (AWG or kcmil)	Conductors	Ground Size (AWG or kcmil)	Cabled Core Diameter (in)	Overall Diameter (in)	Al Weight (lb / 1000 ft)	Net Weight (lb / 1000 ft)
A6-03MCX6	6-6-6+6	6	3	6	0.558	0.858	249	292
A4-03MCX6	4-4-4+6	4	3	6	0.653	0.953	311	363
A2-03MCX6	2-2-2+6	2	3	6	0.771	1.071	404	467
A1-03MCX4	1-1-1+4	1	3	4	0.881	1.181	489	575
A1/0-03MCX4	1/0-1/0-1/0+4	1/0	3	4	0.961	1.261	567	662
A2/0-03MCX4	2/0-2/0-2/0+4	2/0	3	4	1.047	1.347	661	766
A3/0-03MCX4	3/0-3/0-3/0+4	3/0	3	4	1.148	1.448	780	897
A4/0-03MCX2	4/0-4/0-4/0+2	4/0	3	2	1.260	1.560	950	1079
A250-03MCX2	250-250-250+2	250	3	2	1.401	1.701	1086	1255
A300-03MCX2	300-300-300+2	300	3	2	1.508	1.808	1250	1432
A350-03MCX2	350-350-350+2	350	3	2	1.607	1.907	1412	1608
A400-03MCX1	400-400-400+1	400	3	1	1.700	2.000	1589	1797
A500-03MCX1	500-500-500+1	500	3	1	1.866	2.166	1911	2141
A600-03MCX1	600-600-600+1	600	3	1	2.097	2.397	2241	2556
A600-03MCX400	600-600-600+400	600	3	400	2.097	2.397	2544	2860
A750-03MCX1/0	750-750-750+1/0	750	3	1/0	2.301	2.601	2731	3080
A6-04MCX6	6-6-6-6+6	6	4	6	0.625	0.925	126	25
A4-04MCX6	4-4-4-4+6	4	4	6	0.732	1.032	366	435
A2-04MCX6	2-2-2-2+6	2	4	6	0.864	1.164	485	568



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Item Number	Cable Description	Conductor Size (AWG or kcmil)	Conductors	Ground Size (AWG or kcmil)	Cabled Core Diameter (in)	Overall Diameter (in)	Al Weight (lb/1000 ft)	Net Weight (lb/1000 ft)
A1-04MCX4	1-1-1-1+4	1	4	4	0.987	1.287	589	704
A1/0-04MCX4	1/0-1/0-1/0-1/0+4	1/0	4	4	1.077	1.377	690	816
A2/0-04MCX4	2/0-2/0-2/0-2/0+4	2/0	4	4	1.173	1.473	812	952
A3/0-04MCX4	3/0-3/0-3/0-3/0+4	3/0	4	4	1.287	1.587	967	1122
A4/0-04MCX2	4/0-4/0-4/0-4/0+2	4/0	4	2	1.412	1.712	1181	1353
A250-04MCX1	250-250-250-250+1	250	4	1	1.569	1.869	1373	1598
A300-04MCX1	300-300-300-300+1	300	4	1	1.690	1.990	1587	1831
A350-04MCX1/0	350-350-350-350+1/0	350	4	1/0	1.801	2.101	1821	2082
A400-04MCX1/0	400-400-400-400+1/0	400	4	1/0	1.905	2.205	2032	2309
A500-04MCX2/0	500-500-500-500+2/0	500	4	2/0	2.091	2.391	2479	2786
A500-04MCX250	500-500-500-500+250	500	4	250	2.091	2.391	2592	2898
A600-04MCX2/0	600-600-600-600+2/0	600	4	2/0	2.349	2.649	2910	3331
A600-04MCX400	600-600-600-600+400	600	4	400	2.349	2.649	3166	3587
A750-04MCX3/0	750-750-750-750+3/0	750	4	3/0	2.578	2.878	3561	4027

NOTES

- 1) Dimensions and weights are subject to standard manufacturing tolerances and are subject to change without notice.
- 2) Click to learn about ampacities.