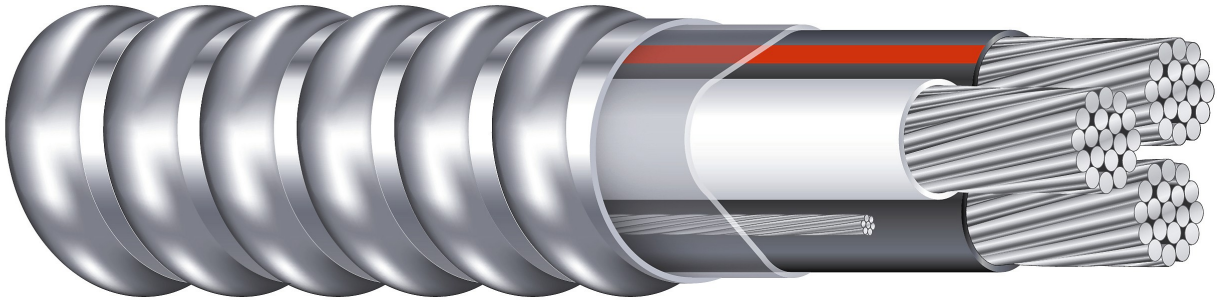
Aluminum Type MC-XHHW

600 Volt. TRIPLE E Aluminum Alloy (AA-8176) Conductors. Crosslinked Polyethylene (XLP) Insulated Singles Rated XHHW-2. Bare TRIPLE E Aluminum Alloy Ground. Interlocked Aluminum Armor.



APPLICATIONS

Southwire Type MC Cable is primarily used for services, feeders, and branch circuits as specified in the 2008 National Electric Code. Type MC cable with Type XHHW-2 conductors may be used in wet or dry locations at temperatures not to exceed 90°C. Voltage rating for XHHW-2 conductors is 600 volts.

SPECIFICATIONS

Southwire Type MC cable with Type XHHW-2 conductors meets or exceeds UL standard 44, UL standard 1569, Federal Specification J-C-30B, ICEA S-66-524, and requirements of the National Electric Code.

CONSTRUCTION

Southwire Type MC cable is constructed with Type XHHW-2 conductors and a bare equipment grounding conductor. Conductors are TRIPLE E AA-8000 series aluminum alloy compact stranded. A binder tape is wrapped over the conductors with interlocked aluminum tape applied over the assembly. Individual conductors are color coded per ICEA S-58-679, Method 3, Table 2 (Single color compounds with surface printing). Also available with THHN conductors.

Southwire
One Southwire Drive
Carrollton, Ga. 30119 USA

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Conductor Size (AWG/kcmil)	Sub Assembly (inches)	Overall Nominal Diameter (inches)	Approx. Net Weight Per 1000' (lbs.)	Allowable Ampacity+ (wet or dry)	
				75°C	90°C*
THREE CONDUCTOR With Ground					
6-6-6-6	.57	.78	237	50	60
400-400-400-1	1.72	2.04	1830	270	305
750-750-750-3/0	2.3	2.62	3177	385	435
1-1-1-4	.89	1.11	496	100	115
1/0-1/0-1/0-4	.97	1.19	578	120	135
600-600-600-1/0	2.1	2.42	2608	340	385
3/0-3/0-3/0-4	1.16	1.38	833	155	175
4/0-4/0-4/0-2	1.27	1.59	1089	180	205
750-750-750-1/0	2.3	2.62	3118	385	435
350-350-350-1	1.62	1.94	1653	250	280
2/0-2/0-2/0-4	1.06	1.27	678	135	150
4-4-4-6	.74	.96	307	65	75
2-2-2-4	.87	1.09	422	90	100
250-250-250-2	1.42	1.73	1275	205	230
250-250-250-3/0	1.58	1.9	1400	205	230
500-500-500-2/0	1.88	2.2	2224	310	350
500-500-500-3/0	1.88	2.2	2257	310	350
500-500-500-1	1.88	2.2	2177	310	350
FOUR CONDUCTOR With Ground					
2-2-2-2-4	.87	1.09	508	72	80
1-1-1-1-4	.99	1.21	619	80	92
1/0-1/0-1/0-1/0-4	1.08	1.3	727	96	108
2/0-2/0-2/0-2/0-4	1.18	1.4	858	108	120
600-600-600-600-3/0	2.34	2.66	3415	272	308
4/0-4/0-4/0-4/0-2	1.42	1.74	1374	144	164
750-750-750-750-750	2.89	3.21	4596	308	348
350-350-350-350-1/0	1.82	2.13	2129	200	224
750-750-750-750-900	2.88	3.2	4837	308	348
3/0-3/0-3/0-3/0-4	1.3	1.61	1138	124	140
250-250-250-250-1	1.58	1.9	1634	164	184
250-250-250-250-3/0	1.77	2.09	1746	164	184
500-500-500-500-3/0	2.11	2.42	2877	248	280
500-500-500-500-3/0	2.11	2.42	2877	248	280

All products also offered with copper ground and galvanized steel armor.
+ Ampacities shown are for general use as specified by the National Electrical Code, 2008 Edition, Section 310.15, Table 310.16.
Under normal conditions four conductor ampacities are not derated as shown above. If NEC Section 310.15(b)(4)(a) does not consider the neutral as a current-carrying conductor, use the ampacities listed for the three conductor cable.
* 90°C - For ampacity derating purposes.

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RECOMMENDED SAMPLE SPECIFICATIONS:
Cable shall be UL-listed Type MC, suitable for operation at 600 volts or less as specified in the National Electric Code. Conductors shall be TRIPLE E aluminum alloy Type XHHW-2 with phase indentification. Armor shall be interlocked aluminum tape. The construction shall be identified with a marker tape placed under the binding tape.

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