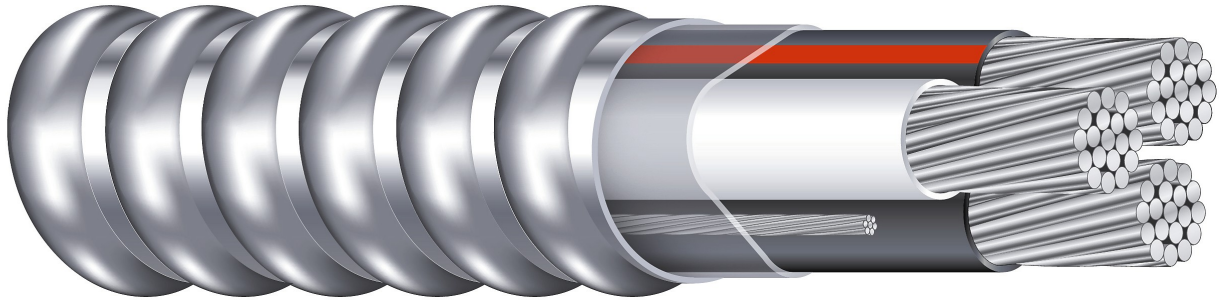


# Aluminum Type MC-XHHW

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

greenSpec™  
RoHS Compliant



Copyright 2010, Southwire Company.  
All Rights Reserved.

®Southwire is a registered trademark  
of Southwire Company.

# Aluminum Type MC-XHHW

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*
<b>THREE CONDUCTOR With Ground</b>					
6-6-6-6	.57	.78	237	50	60
400-400-400-1	1.72	2.04	1830	270	305
2-2-2-4	.78	1	411	90	100
1-1-1-4	.89	1.11	496	100	115
1/0-1/0-1/0-4	.97	1.19	578	120	135
2/0-2/0-2/0-4	1.06	1.27	678	135	150
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
250-250-250-2	1.42	1.73	1275	205	230
350-350-350-1	1.62	1.94	1653	250	280
500-500-500-1	1.88	2.2	2177	310	350
600-600-600-1/0	2.1	2.42	2608	340	385
750-750-750-1/0	2.3	2.62	3118	385	435
500-500-500-2/0	1.88	2.2	2224	310	350
750-750-750-3/0	2.3	2.62	3177	385	435
250-250-250-3/0	1.58	1.9	1400	205	230
500-500-500-3/0	1.88	2.2	2257	310	350
4-4-4-6	.66	.88	298	65	75
<b>FOUR CONDUCTOR With Ground</b>					
2-2-2-2-4	.87	1.09	508	72	80
750-750-750-750-750	2.89	3.21	4596	308	348
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
3/0-3/0-3/0-3/0-4	1.3	1.61	1138	124	140
4/0-4/0-4/0-4/0-2	1.42	1.74	1374	144	164
250-250-250-250-1	1.58	1.9	1634	164	184
350-350-350-350-1/0	1.82	2.13	2129	200	224
500-500-500-500-3/0	2.11	2.42	2877	248	280
600-600-600-600-3/0	2.34	2.66	3415	272	308
750-750-750-750-3/0	2.57	2.89	4089	308	348
750-750-750-750-900	2.88	3.2	4837	308	348
500-500-500-500-3/0	2.11	2.42	2877	248	280
250-250-250-250-3/0	1.77	2.09	1746	164	184
1-1-1-1-4	.99	1.21	619	80	92

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.

# Aluminum Type MC-XHHW

---

\* 90°C - For ampacity derating purposes.

## 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 identification. Armor shall be interlocked aluminum tape. The construction shall be identified with a marker tape placed under the binding tape.



greenSpec™  
RoHS Compliant



Copyright 2010, Southwire Company.  
All Rights Reserved.

®Southwire is a registered trademark  
of Southwire Company.