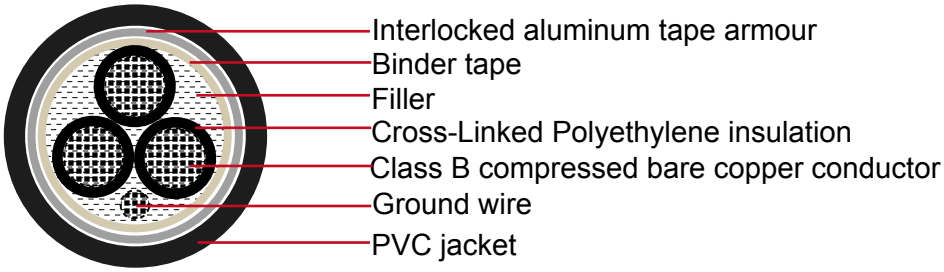
XHHW-2, AL armor, 600V Type MC

Applications:

600 Volt Type MC Cable is for use in aerial installations, direct burial, metal racks, cable trays, troughs or continuous rigid cable supports. Listed by Underwriters Laboratories as Type MC, this cable is capable of operating continuously at a maximum conductor temperature of 90° C in wet or dry locations. For use in Class I Div. 2, Class II Div. 2, & Class III Div. 1, hazardous locations.

Construction:



Conductor:

Class B compressed concentric stranded bare copper in accordance with ASTM B3 and B8 and ICEA

Insulation:

Flame-retardant and moisture resistant Cross-Linked Polyethylene (FRXLPE).

Ground Wire:

Class B compressed concentric stranded bare copper in accordance with ASTM B3 and B8.

Assembly:

The insulated conductors will be cabled round with fillers and with a grounding conductor in one outer interstice and covered with a binder tape.

Armor:

A single strip of interlocked aluminum tape.

Jacket:

Flame retardant, sun resistant PVC (CPE/LSOH is available upon request)

Color:

upon request, black is preferable

American Standard UL

Compliances:

- UL 44 - Thermoset-Insulated Wires and Cables
- UL 1569 - Metal-Clad Cables
- IEEE 1202 - Flame Testing of Cables for Use in Cable Tray in Industrial and Commercial Occupancies (70,000 Btu/hr)
- ICEA T-29-520 - Vertical Cable Tray Flame Tests (210,000 Btu/hr)
- ICEA S-95-658 (NEMA WC 70) construction requirements

Parameters:

AWG or kcmil	Conductor Inch/mm		Nominal Insulation Thickness Inch/mm		Nominal Insulation Diameter Inch/mm		Grou-nd Wire Size	Core Diameter Inch/mm		Armor Diameter Inch/mm		Nominal jacket Thickness Inch/mm		Nominal Overall Diameter Inch/mm		Cable Weight Lbs/kft kg/km	
3 cores																	
8	0.139	3.53	0.045	1.14	0.232	5.89	10	0.510	12.95	0.720	18.29	0.050	1.27	0.820	20.83	405	603
6	0.174	4.42	0.045	1.14	0.267	6.78	8	0.586	14.88	0.796	20.22	0.050	1.27	0.896	22.76	550	819
4	0.221	5.61	0.045	1.14	0.314	7.98	8	0.685	17.40	0.895	22.73	0.050	1.27	0.995	25.27	727	1082
2	0.277	7.04	0.045	1.14	0.370	9.40	6	0.808	20.52	1.018	25.86	0.050	1.27	1.118	28.40	1048	1560
1	0.322	8.18	0.055	1.40	0.435	11.05	6	0.948	24.08	1.158	29.41	0.050	1.27	1.258	31.95	1269	1888
1/0	0.362	9.19	0.055	1.40	0.475	12.07	6	1.034	26.26	1.244	31.60	0.050	1.27	1.344	34.14	1533	2281
2/0	0.405	10.29	0.055	1.40	0.518	13.16	6	1.127	28.63	1.337	33.96	0.050	1.27	1.437	36.50	1823	2713
3/0	0.454	11.53	0.055	1.40	0.567	14.40	4	1.233	31.32	1.443	36.65	0.050	1.27	1.543	39.19	2262	3366
4/0	0.510	12.95	0.055	1.40	0.623	15.82	4	1.354	34.39	1.664	42.27	0.060	1.52	1.784	45.31	2814	4187
250	0.558	14.17	0.065	1.65	0.691	17.55	4	1.501	38.13	1.811	46.00	0.060	1.52	1.931	49.05	3275	4874
350	0.661	16.79	0.065	1.65	0.794	20.17	3	1.723	43.76	2.033	51.64	0.060	1.52	2.153	54.69	4396	6542
500	0.790	20.07	0.065	1.65	0.923	23.44	2	2.002	50.85	2.312	58.72	0.075	1.91	2.462	62.53	6104	9083
750	0.968	24.59	0.080	2.03	1.131	28.73	1	2.455	62.36	2.765	70.23	0.075	1.91	2.915	74.04	8860	13184
4 cores																	
250	0.558	14.17	0.065	1.65	0.691	17.55	4	1.676	42.57	1.986	50.44	0.060	1.52	2.106	53.49	4204	6255
350	0.661	16.79	0.065	1.65	0.794	20.17	3	1.925	48.90	2.235	56.77	0.060	1.52	2.355	59.82	5647	8402
500	0.790	20.07	0.065	1.65	0.923	23.44	2	2.240	56.90	2.550	64.77	0.075	1.91	2.700	68.58	7857	11691