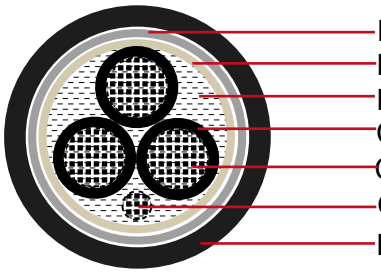
XHHW-2, Galvanized steel armor, 600V Type MC

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.

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 galvanized steel 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	511	761
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	671	999
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	867	1290
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	1211	1802
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	1458	2170
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	1738	2586
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	2046	3044
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	2504	3727
4/0	0.510	12.95	0.055	1.40	0.623	15.82	4	1.354	34.39	1.564	39.73	0.060	1.52	1.684	42.77	3131	4659
250	0.558	14.17	0.065	1.65	0.691	17.55	4	1.501	38.13	1.711	43.46	0.060	1.52	1.831	46.51	3627	5397
350	0.661	16.79	0.065	1.65	0.794	20.17	3	1.723	43.76	1.933	49.10	0.060	1.52	2.053	52.15	4800	7142
500	0.790	20.07	0.065	1.65	0.923	23.44	2	2.002	50.85	2.212	56.18	0.060	1.52	2.332	59.23	6505	9679