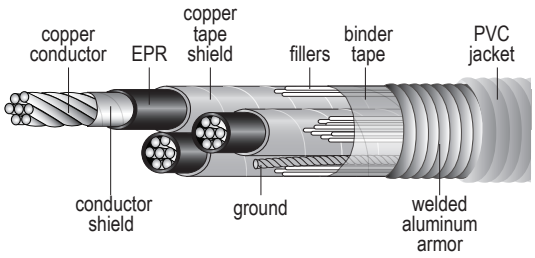
IMPERVIOUS CONTINUOUSLY WELDED ARMOR – POWER CABLE



5kV UL Type MV-105, MC-HL, CT Use, 105°C Shielded, EPR Insulation 100% and 133% Insulation Level Aluminum Armor, Copper Conductors

Catalog Number	Size AWG/kcmil	Number of Conductors	Number of Strands	Insulation Thickness Mils	Ground Wire Size AWG	Armor Overall Diameter Inch	Jacket Thickness Mils	Overall Diameter Inches	Net Weight Lbs/Mft	Class I Div. 1 Connector Number	Rain Tight Connector Number
HW310 00603	6	3	7	115	6	1.51	50	1.61	1205	424MA06	416MC07
HW310 00403	4	3	7	115	6	1.64	60	1.76	1450	424MA06	416MC08
HW310 00203	2	3	7	115	6	1.80	60	1.92	1880	424MA07	416MC08
HW310 00103	1	3	19	115	4	1.87	60	1.99	2100	424MA07	416MC08
HW310 10103	1/0	3	19	115	4	1.94	60	2.06	2375	424MA07	416MC08
HW310 20103	2/0	3	19	115	4	2.02	60	2.14	2715	424MA07	416MC08
HW310 40103	4/0	3	19	115	3	2.25	60	2.37	3685	424MA08	416MC09
HW310 25003	250	3	19	115	3	2.41	75	2.56	4300	424MA08	416MC09
HW310 35003	350	3	37	115	2	2.71	75	2.86	5530	424MA09	416MC09
HW310 50003	500	3	37	115	1	3.03	75	3.21	7245	424MA10	416MC10

APPLICATION:
For use in harsh environments where maximum conductor protection is required. Used for primary power and feeder circuits in a broad range of commercial and industrial power distribution systems. Approved for use in wet or dry locations at 105°C, for installation indoors or outdoors, aerially, in conduits, ducts, cable trays or direct burial in circuits not exceeding 8000 volts. UL listed, Type MC-HL per UL Standard 2225 for use in Class I, Division I hazardous locations. UL approved for use at 105°C for continuous operation, 140°C for emergency overload conditions, and 250°C for short circuit conditions. Impervious continuously welded and corrugated aluminum armor cable is recommended as an economical alternative to wire in conduit systems.

CONDUCTORS:
Soft bare annealed copper per ASTM B-3, compact Class B stranding per ASTM B-496, with a semi-conducting conductor shield

INSULATION:
Ethylene propylene rubber (EPR) per ICEA S-97-682/S-93-639 with a semi-conducting insulation shield

SHIELD:
Uncoated 5 mil copper tape with a minimum of 12.5% overlap

GROUNDING CONDUCTOR:
Soft bare annealed copper per ASTM B-3, Class B stranding per ASTM B-8 sized in accordance with UL Standard 1072

ARMOR:
Impervious continuously welded and corrugated aluminum

JACKET:
Yellow flame-retardant and sunlight-resistant PVC

FLAME TESTS:
- ICEA 70,000 BTU/hr and 210,000 BTU/hr Flame Test
- IEEE 1202 Flame Test

COLOR CODE:
ICEA Method 4

ADDITIONAL STANDARDS:
- UL listed, NEC Type MV-105 and Type MC, UL Standard 1072
- Single conductors are qualified per AEIC CS8.
- UL listed Type CWCMC to IEEE 45/IEEE 1580 (46 CFR Part 111.60-23) Marine Shipboard Cable
- Meets requirements of CSA-C22.2 No. 0.3, -40°C cold impact test

CONNECTORS:
- Explosion Proof, Class I Division 1: 424MA series – all nickel-plated aluminum
- Rain Tight: 416MC series – all nickel-plated brass