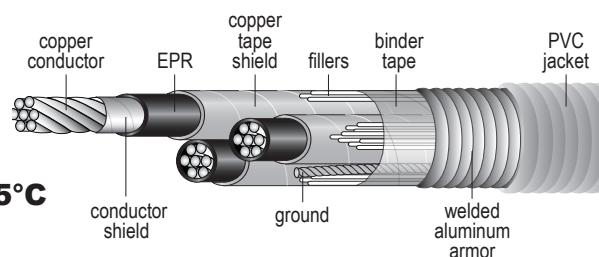


**IMPERVIOUS CONTINUOUSLY  
WELDED ARMOR – POWER CABLE**

**15KV UL Type MV-105, MC-HL, CT USE, 105°C  
Shielded, EPR Insulation  
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
HW311 00203	2	3	7	220	6	2.35	75	2.50	2790	424MA08	416MC09
HW311 00103	1	3	19	220	4	2.35	75	2.50	3180	424MA08	416MC09
HW311 10103	1/0	3	19	220	4	2.47	75	2.62	3425	424MA08	416MC09
HW311 20103	2/0	3	19	220	4	2.55	75	2.70	3850	424MA08	416MC09
HW311 40103	4/0	3	19	220	3	2.81	75	2.96	4950	424MA09	416MC09
HW311 25003	250	3	19	220	3	3.03	75	3.18	5700	424MA10	416MC10
HW311 35003	350	3	37	220	2	3.22	75	3.40	7030	424MA10	416MC10
HW311 50003	500	3	37	220	1	3.41	85	3.59	8690	424MA10	–

**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 15000 volts. UL listed, Type MC-HL per UL 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 12.5% overlap per ICEA S-97-682

**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:**

Red 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
- Meets requirements of CSA-C22.2 No. 0.3, -40°C cold impact test
- UL listed Type CWCMC to IEEE 45/IEEE 1580 (46 CFR Part 111.60-23) Marine Shipboard Cable

**CONNECTORS:**

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

**ARMORED CABLE**