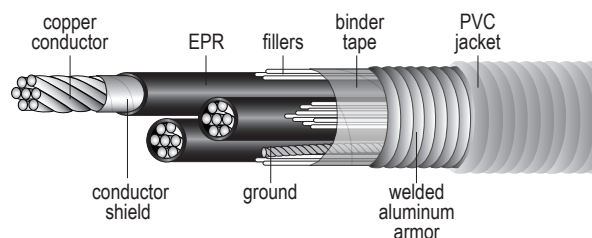


**IMPERVIOUS CONTINUOUSLY
WELDED ARMOR – POWER CABLE**

**2.4kV UL Type MV-90, CT USE, 90°C
Non-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
HW309 00603	6	3	7	90	3-10	1.13	50	1.24	730	424MA04V	416MC06
HW309 00403	4	3	7	90	3-10	1.19	50	1.30	920	424MA04V	416MC06
HW309 00203	2	3	7	90	3-10	1.33	50	1.44	1215	424MA05V	416MC06
HW309 00103	1	3	19	90	1-4	1.46	50	1.57	1525	424MA06V	416MC07
HW309 10103	1/0	3	19	90	3-8	1.56	60	1.69	1810	424MA06V	416MC08
HW309 20103	2/0	3	19	90	3-8	1.64	60	1.77	2130	424MA06V	416MC08
HW309 40103	4/0	3	19	90	3-6	1.94	60	2.07	3040	424MA07V	416MC08
HW309 25003	250	3	19	90	3-6	2.02	60	2.15	3475	424MA07V	416MC08
HW309 35003	350	3	37	90	3-6	2.35	75	2.50	4695	424MA08V	416MC09
HW309 50003	500	3	37	90	3-4	2.62	75	2.78	6315	424MA08V	416MC09

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 90°C, for installation indoors or outdoors, aerially, in conduits, ducts, cable trays or direct burial in circuits not exceeding 5000 volts. UL listed, Type MC-HL per UL 2225 for use in Class I, Division I hazardous locations. UL approved for use at 90°C for continuous operation, 130°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-8, with a semi-conducting conductor shield

INSULATION:

Ethylene propylene rubber (EPR) per ICEA S-97-682/S-93-639

GROUNDING CONDUCTOR:

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

- 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