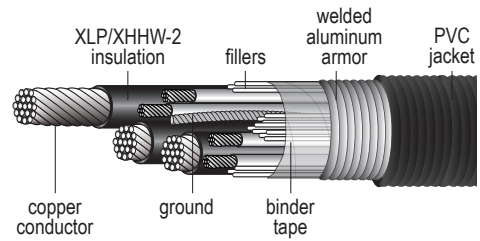


**SPECIFICATION**  
**HW308**

**IMPERVIOUS CONTINUOUSLY WELDED ARMOR – POWER & CONTROL COMPOSITE CABLE**

**600 Volt UL Type MC-HL, CT USE, 90°C XLP XHHW-2 Insulation Aluminum Armor, Copper Conductors**



POWER CABLES				
Catalog Number	Power Size AWG	Number of Conductors	Insulation Thickness Mils	Ground Wire Size AWG
HW308 01003	10	3	30	10
HW308 08003	8	3	45	10
HW308 06003	6	3	45	8
HW308 06004	4	3	45	6

CONTROL CABLES									
Catalog Number	Control Size AWG	Number of Conductors	Insulation Thickness Mils	Armor Diameter Inch	Jacket Thickness Mils	Overall Diameter Inch	Net Weight Lbs/Mft	Class I Div. 1 Explosion Proof Conn. #	Rain Tight Connector #
HW308 01003	12	4	30	0.74	50	0.86	240	424MA03	416MC04
HW308 08003	12	4	30	0.92	50	1.05	510	424MA04	416MC05
HW308 06003	12	4	30	0.97	50	1.09	650	424MA04	416MC05
HW308 06004	12	4	30	1.07	50	1.19	805	424MA04	416MC05

ARMORED CABLE

**APPLICATION:**

For use in harsh environments where maximum conductor protection is required. Impervious armor prevents the entrance of water, gas and corrosive elements into the electrical core. Used for power, control and lighting circuits in a broad range of commercial and industrial pulp and paper, mining, and petroleum applications. 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 600 volts. UL listed, Type MC-HL per UL Standard 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 corrugated armor cable is recommended as an economical alternative to wire in conduit systems.

**CONDUCTORS:**

7-strand soft bare annealed copper per ASTM B-3, Class B stranding per ASTM B-8

**INSULATION:**

Cross-linked polyethylene (XLP) per ICEA S-95-658 and UL Standard 44 for Type XHHW-2 conductors

**GROUNDING CONDUCTOR:**

Soft bare annealed copper per ASTM B-3, Class B stranding per ASTM B-8 sized in accordance with NEC requirements.

**ARMOR:**

Impervious continuously welded and corrugated aluminum

**JACKET:**

Black flame-retardant and sunlight-resistant PVC

**FLAME TESTS:**

- UL 1581 (70,000 BTU/hr) Flame Test
- ICEA T-30-520 (70,000 BTU/hr) Flame Test
- IEEE 383 (70,000 BTU/hr) Flame Test
- IEEE 1202 Flame Test
- ICEA T-29-520 (210,000 BTU/hr) Flame Test

**COLOR CODE:**

- Control Conductors: red, blue, orange and yellow
- Power Conductors: ICEA Method 4

**ADDITIONAL STANDARDS:**

- 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 1 Division 1: 424MA series – all nickel-plated brass
- Rain Tight: 416MC series – all nickel-plated brass