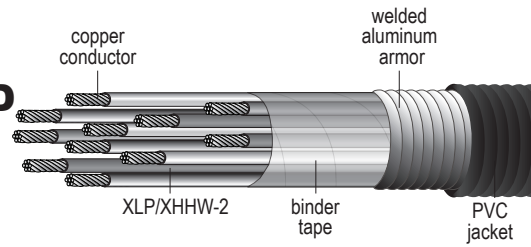


SPECIFICATION
HW306

**IMPERVIOUS CONTINUOUSLY WELDED
ARMOR – CONTROL CABLE**

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



Catalog Number	Size AWG	Number of Conductors	Number of Strands	Insulation Thickness Mils	Armor Diameter Inch	Jacket Thickness Mils	Overall Diameter Inches	Net Weight Lbs/Mft	Class I Div. 2 Connector Number	Rain Tight Connector Number
HW306 01402	14	2	7	30	0.44	50	0.55	135	424CU02	416MC02
HW306 01403	14	3	7	30	0.44	50	0.55	155	424CU02	416MC02
HW306 01404	14	4	7	30	0.48	50	0.59	185	424CU02	416MC02
HW306 01405	14	5	7	30	0.54	50	0.65	210	424CU02	416MC03
HW306 01407	14	7	7	30	0.58	50	0.69	250	424CU03	416MC03
HW306 01409	14	9	7	30	0.70	50	0.81	320	424CU04	416MC04
HW306 01412	14	12	7	30	0.74	50	0.85	380	424CU04	416MC04
HW306 01419	14	19	7	30	0.88	50	0.99	530	424CU04	416MC05
HW306 01425	14	25	7	30	1.07	50	1.18	685	424CU05	416MC05
HW306 01437	14	37	7	30	1.26	50	1.37	935	424CU06	416MC06

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. May be used in NEC Class I and II, Division 2 and Class III, Division 1 and 2 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:

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

ARMOR:

Impervious continuously welded and corrugated aluminum

JACKET:

Black 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:

ICEA Method 1, Table E-2

ADDITIONAL STANDARDS:

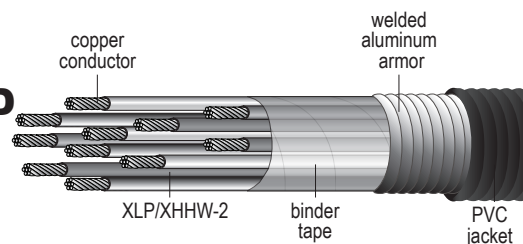
- UL listed, NEC Type MC, UL Standard 1569
- UL listed Type CWCMC to IEEE 45/IEEE 1580 (46 CFR Part 111.60-23) Marine Shipboard Cable
- Meets requirements of CSA-C22.2 No. 0.3, -40°C cold impact test

CONNECTORS:

- Explosion Proof, Class 1 Division 2: 424CU series – aluminum exterior components, nickel-plated brass interior components
- Rain Tight: 416MC series – all nickel-plated brass

**IMPERVIOUS CONTINUOUSLY WELDED
ARMOR – CONTROL CABLE**

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



Catalog Number	Size AWG	Number of Conductors	Number of Strands	Insulation Thickness Mils	Armor Diameter Inch	Jacket Thickness Mils	Overall Diameter Inches	Net Weight Lbs/Mft	Class I Div. 2 Connector Number	Rain Tight Connector Number
HW306 01202	12	2	7	30	0.48	50	0.59	165	424CU02	416MC02
HW306 01203	12	3	7	30	0.48	50	0.59	190	424CU02	416MC02
HW306 01204	12	4	7	30	0.54	50	0.65	230	424CU02	416MC03
HW306 01205	12	5	7	30	0.62	50	0.69	265	424CU03	416MC03
HW306 01207	12	7	7	30	0.66	50	0.77	330	424CU03	416MC03
HW306 01209	12	9	7	30	0.74	50	0.85	410	424CU04	416MC04
HW306 01212	12	12	7	30	0.84	50	0.95	500	424CU05	416MC04
HW306 01219	12	19	7	30	0.97	50	1.07	715	424CU05	416MC05

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. May be used in NEC Class I and II, Division 2 and Class III, Division 1 and 2 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:

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.

ARMOR:

Impervious continuously welded and corrugated aluminum.

JACKET:

Black 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:

ICEA Method 1, Table E-2

ADDITIONAL STANDARDS:

- UL listed, NEC Type MC, UL Standard 1569
- 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:

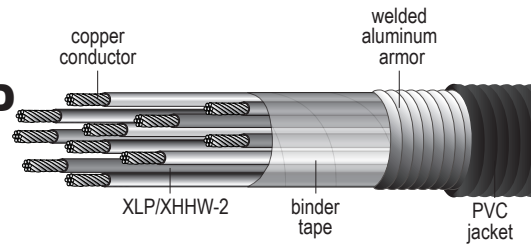
- Explosion Proof, Class 1 Division 2: 424CU series – aluminum exterior components, nickel-plated brass interior components
- Rain Tight: 416MC series – all nickel-plated brass

ARMORED CABLE

SPECIFICATION
HW306

IMPERVIOUS CONTINUOUSLY WELDED ARMOR – CONTROL CABLE

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



Catalog Number	Size AWG	Number of Conductors	Number of Strands	Insulation Thickness Mils	Armor Diameter Inch	Jacket Thickness Mils	Overall Diameter Inches	Net Weight Lbs/Mft	Class I Div. 2 Connector Number	Rain Tight Connector Number
HW306 01002	10	2	7	30	0.54	50	0.65	205	424CU02	416MC03
HW306 01003	10	3	7	30	0.58	50	0.69	240	424CU03	416MC03
HW306 01004	10	4	7	30	0.62	50	0.73	300	424CU03	416MC03
HW306 01005	10	5	7	30	0.66	50	0.77	345	424CU03	416MC03
HW306 01007	10	7	7	30	0.74	50	0.85	440	424CU04	416MC04
HW306 01009	10	9	7	30	0.84	50	0.95	550	424CU04	416MC04
HW306 01012	10	12	7	30	0.97	50	1.07	690	424CU05	416MC05

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. May be used in NEC Class I and II, Division 2 and Class III, Division 1 and 2 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:

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

ARMOR:

Impervious continuously welded and corrugated aluminum

JACKET:

Black 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:

ICEA Method 1, Table E-2

ADDITIONAL STANDARDS:

- UL listed, NEC Type MC, UL Standard 1569
- 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 2: 424CU series – aluminum exterior components, nickel-plated brass interior components
- Rain Tight: 416MC series – all nickel-plated brass

ARMORED CABLE