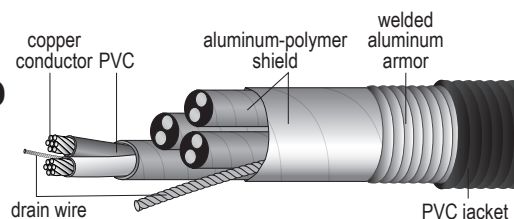


**IMPERVIOUS CONTINUOUSLY WELDED
ARMOR – INSTRUMENTATION CABLE**

**300 Volt UL Type PLTC, ITC, 105°C
Single Pair and Triad - Shielded
Multiple Shielded Pairs or Triads with Overall Shield
Aluminum Armor, Copper Conductors**



Catalog Number	Size AWG	Number of Pairs	Insulation Thickness Mils	Inner Jacket Thickness Mils	Inner Jacket Overall Diameter Inch	Armor Overall Diameter Inch	Outer Jacket Overall Diameter Inch	Overall Diameter Inches	Net Weight Lbs/Mft	Class I Div. 2 Connector Number	Rain Tight Connector Number
HW304 1802P	18	2	15	40	0.38	0.58	40	0.66	185	424CU03	416MC03
HW304 1804P	18	4	15	50	0.46	0.70	50	0.80	271	424CU04	416MC04
HW304 1808P	18	8	15	50	0.59	0.84	50	0.94	385	424CU04	416MC04
HW304 1812P	18	12	15	60	0.74	1.02	60	1.14	540	424CU05	416MC05
HW304 1824P	18	24	15	70	1.02	1.33	70	1.47	920	424CU06	416MC06
HW304 1836P	18	36	15	70	1.17	1.51	70	1.65	1190	424CU06	416MC07

APPLICATION:

For use in harsh environments where maximum conductor and electrostatic interference protection is required. Impervious armor prevents the entrance of water, gas and corrosive elements into the electrical core. Used for instrumentation and process and control applications in a broad range of commercial and industrial pulp and paper, mining, and petroleum applications.

Approved for continuous use at 105°C in wet or dry locations. May be installed indoors or outdoors, aerially, in conduits, ducts, cable trays or direct burial in circuits not exceeding 300 volts.

UL listed as, NEC Type MC per UL Standard 1569 and is approved for use in Class I, Division 2 hazardous locations. Impervious continuously welded and corrugated aluminum 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:

Flame-retardant PVC

INDIVIDUAL SHIELD:

Aluminum-polymer tape providing 100% coverage with a flexible 7-strand tinned copper drain wire

OVERALL SHIELD:

Aluminum-polymer tape providing 100% coverage with a flexible 7-strand tinned copper drain wire

COMMUNICATION WIRE:

22AWG stranded bare copper wire with PVC insulation

INNER JACKET:

Flame-retardant PVC

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:

Black and white for pairs and black, white and red for triads with printed number

ADDITIONAL STANDARDS:

- Individual conductors UL listed as Type FPL
- Meets requirements of CSA-C22.2 No. 0.3, -40°C cold impact test

CONNECTORS:

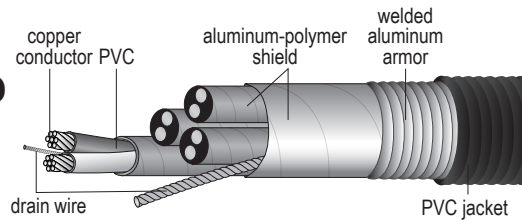
- Explosion Proof, Class 1 Division 2: 424CU series – aluminum exterior components, nickel-plated brass interior components
- Rain Tight: 416MC series – all nickel-plated brass

ARMORED CABLE

SPECIFICATION
HW304

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HW304 1601P	16	1 Pair	15	35	0.25	0.40	35	0.47	110	424CU02	416MC02
HW304 1602P	16	2 Pairs	15	50	0.44	0.66	50	0.76	241	424CU03	416MC03
HW304 1603P	16	3 Pairs	15	50	0.47	0.70	50	0.80	280	424CU04	416MC04
HW304 1604P	16	4 Pairs	15	50	0.51	0.74	50	0.84	316	424CU04	416MC04
HW304 1606P	16	6 Pairs	15	50	0.61	0.88	50	0.98	410	424CU04	416MC04
HW304 1608P	16	8 Pairs	15	60	0.68	0.97	60	1.09	511	424CU05	416MC05
HW304 1612P	16	12 Pairs	15	60	0.82	1.13	60	1.25	670	424CU05	416MC06
HW304 1624P	16	24 Pairs	15	70	1.14	1.46	70	1.60	1165	424CU06	416MC07
HW304 1636P	16	36 Pairs	15	80	1.33	1.71	80	1.87	1615	424CU07	416MC08
HW304 1601T	16	1 Triad	15	35	0.27	0.44	35	0.51	129	424CU02	416MC02
HW304 1604T	16	4 Triads	15	50	0.58	0.84	50	0.94	400	424CU04	416MC04

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