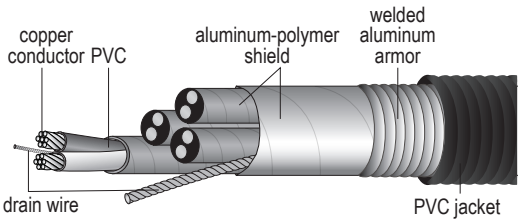
IMPERVIOUS CONTINUOUSLY WELDED ARMOR – INSTRUMENTATION CABLE



600 Volt UL Type MC-HL, CT USE, 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 or Triads	PVC-Nylon 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. 1 Connector Number	Rain Tight Connector Number
HW3051601P	16	1 Pair	15-4	40	0.29	0.44	50	0.54	114	424MA02	416MC02
HW3051602P	16	2 Pairs	15-4	40	0.50	0.70	50	0.80	255	424MA03	416MC04
HW3051604P	16	4 Pairs	15-4	40	0.61	0.84	50	0.94	355	424MA03	416MC04
HW3051608P	16	8 Pairs	15-4	40	0.76	1.02	50	1.12	518	424MA04	416MC05
HW3051612P	16	12 Pairs	15-4	40	0.93	1.19	50	1.29	675	424MA05	416MC06
HW3051624P	16	24 Pairs	15-4	40	1.21	1.56	60	1.68	1170	424MA06	416MC08
HW3051636P	16	36 Pairs	15-4	40	1.41	1.80	60	1.92	1607	424MA07	416MC08
HW3051601T	16	1 Triad	15-4	40	0.31	0.48	50	0.58	165	424MA02	416MC02
HW3051604T	16	4 Triads	15-4	40	0.68	0.92	50	1.02	430	424MA04	416MC05
HW3051608T	16	8 Triads	15-4	50	0.97	1.32	50	1.42	962	424MA04	416MC05

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 90°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 600 volts.

UL listed, Type MC-HL per UL Standard 2225 for use in Class I, Division I 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:
Heat- and moisture-resistant PVC

CONDUCTOR JACKET:
Clear nylon

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

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