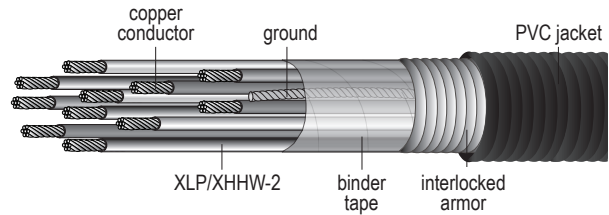


SPECIFICATION
HW300

**INTERLOCKED AROMOR
– CONTROL CABLE**

**600 Volt UL Type MC, CT USE, 90°C
XLP VW-1 XHHW-2 Insulation
Aluminum Armor
Copper Conductors**



| Catalog Number | Size AWG | Number of Conductors | Number of Strands | Insulation Thickness MILS | Ground Wire Size AWG | Armor Diameter Inch | Jacket Thickness MILS | Overall Diameter Inches | Net Weight Lbs/Mft | Class I Div. 2 Connector Number | Rain Tight Connector Number |
|----------------|----------|----------------------|-------------------|---------------------------|----------------------|---------------------|-----------------------|-------------------------|--------------------|---------------------------------|-----------------------------|
| HW300 01402 | 14 | 2 | 7 | 30 | 14 | 0.50 | 50 | 0.61 | 176 | 424CU02 | 416MC02 |
| HW300 01403 | 14 | 3 | 7 | 30 | 14 | 0.52 | 50 | 0.63 | 185 | 424CU02 | 416MC03 |
| HW300 01404 | 14 | 4 | 7 | 30 | 14 | 0.56 | 50 | 0.67 | 210 | 424CU03 | 416MC03 |
| HW300 01405 | 14 | 5 | 7 | 30 | 14 | 0.60 | 50 | 0.71 | 270 | 424CU03 | 416MC03 |
| HW300 01407 | 14 | 7 | 7 | 30 | 14 | 0.65 | 50 | 0.76 | 320 | 424CU03 | 416MC03 |
| HW300 01409 | 14 | 9 | 7 | 30 | 14 | 0.73 | 50 | 0.84 | 388 | 424CU04 | 416MC04 |
| HW300 01410 | 14 | 10 | 7 | 30 | 14 | 0.77 | 50 | 0.88 | 410 | 424CU04 | 416MC04 |
| HW300 01412 | 14 | 12 | 7 | 30 | 14 | 0.80 | 50 | 0.91 | 460 | 424CU04 | 416MC04 |
| HW300 01415 | 14 | 15 | 7 | 30 | 14 | 0.84 | 50 | 0.95 | 550 | 424CU04 | 416MC04 |
| HW300 01419 | 14 | 19 | 7 | 30 | 14 | 0.92 | 50 | 1.03 | 660 | 424CU04 | 416MC05 |
| HW300 01425 | 14 | 25 | 7 | 30 | 14 | 1.06 | 50 | 1.17 | 877 | 424CU05 | 416MC06 |
| HW300 01437 | 14 | 37 | 7 | 30 | 14 | 1.21 | 50 | 1.32 | 1200 | 424CU06 | 416MC06 |

ARMORED CABLE

APPLICATION:

For use in harsh environments where maximum conductor protection is required. 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. Aluminum interlocked 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 UL Standard 44 for Type XHHW-2, VW-1 conductors

GROUNDING CONDUCTOR:

Soft bare annealed copper per ASTM B-3, Class B stranding per ASTM B-8 sized in accordance with UL Standard 1569

ARMOR:

Aluminum interlocked tape armor per UL Standard 1569, also available in galvanized steel armor

JACKET:

Black sunlight-resistant PVC per UL Standard 1569

FLAME TESTS:

UL 1581 (70,000 BTU/hr) Flame Test

COLOR CODE:

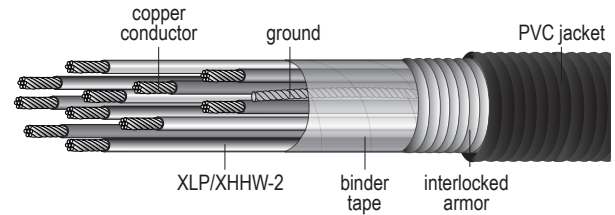
ICEA Method 1, Table E-2

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

**INTERLOCKED ARMOR
– CONTROL CABLE**

**600 Volt UL Type MC, CT USE, 90°C
XLP VW-1 XHHW-2 Insulation
Aluminum Armor
Copper Conductors**



| Catalog Number | Size AWG | Number of Conductors | Number of Strands | Insulation Thickness MILS | Ground Wire Size AWG | Armor Diameter Inch | Jacket Thickness MILS | Overall Diameter Inches | Net Weight Lbs/Mft | Class I Div. 2 Connector Number | Rain Tight Connector Number |
|----------------|----------|----------------------|-------------------|---------------------------|----------------------|---------------------|-----------------------|-------------------------|--------------------|---------------------------------|-----------------------------|
| HW300 01202 | 12 | 2 | 7 | 30 | 12 | 0.54 | 50 | 0.65 | 185 | 424CU02 | 416MC03 |
| HW300 01203 | 12 | 3 | 7 | 30 | 12 | 0.58 | 50 | 0.69 | 215 | 424CU03 | 416MC03 |
| HW300 01204 | 12 | 4 | 7 | 30 | 12 | 0.62 | 50 | 0.73 | 295 | 424CU03 | 416MC03 |
| HW300 01205 | 12 | 5 | 7 | 30 | 12 | 0.65 | 50 | 0.76 | 325 | 424CU03 | 416MC03 |
| HW300 01207 | 12 | 7 | 7 | 30 | 12 | 0.72 | 50 | 0.83 | 400 | 424CU04 | 416MC04 |
| HW300 01209 | 12 | 9 | 7 | 30 | 12 | 0.79 | 50 | 0.90 | 460 | 424CU04 | 416MC04 |
| HW300 01210 | 12 | 10 | 7 | 30 | 12 | 0.84 | 50 | 0.95 | 560 | 424CU04 | 416MC04 |
| HW300 01212 | 12 | 12 | 7 | 30 | 12 | 0.89 | 50 | 1.00 | 615 | 424CU04 | 416MC05 |
| HW300 01215 | 12 | 15 | 7 | 30 | 12 | 0.93 | 50 | 1.04 | 680 | 424CU05 | 416MC05 |
| HW300 01219 | 12 | 19 | 7 | 30 | 12 | 1.05 | 50 | 1.16 | 900 | 424CU05 | 416MC05 |
| HW300 01225 | 12 | 25 | 7 | 30 | 12 | 1.17 | 50 | 1.28 | 1200 | 424CU06 | 416MC06 |
| HW300 01237 | 12 | 37 | 7 | 30 | 12 | 1.35 | 50 | 1.46 | 1450 | 424CU06 | 416MC07 |

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JACKET:

Black sunlight-resistant PVC per UL Standard 1569

FLAME TESTS:

UL 1581 (70,000 BTU/hr) Flame Test

COLOR CODE:

ICEA Method 1, Table E-2

CONNECTORS:

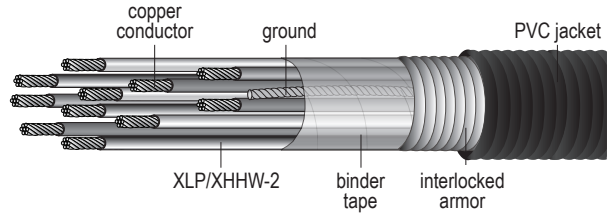
- Explosion Proof, Class 1 Division 2: 424CU series – aluminum exterior components, nickel-plated brass interior components
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ARMORED CABLE

SPECIFICATION
HW300

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Aluminum Armor
Copper Conductors**



| Catalog Number | Size AWG | Number of Conductors | Number of Strands | Insulation Thickness Mils | Ground Wire Size AWG | Armor Diameter Inch | Jacket Thickness Mils | Overall Diameter Inches | Net Weight Lbs/Mft | Class I Div. 2 Connector Number | Rain Tight Connector Number |
|----------------|----------|----------------------|-------------------|---------------------------|----------------------|---------------------|-----------------------|-------------------------|--------------------|---------------------------------|-----------------------------|
| HW300 01002 | 10 | 2 | 7 | 30 | 10 | 0.59 | 50 | 0.70 | 230 | 424CU03 | 416MC03 |
| HW300 01003 | 10 | 3 | 7 | 30 | 10 | 0.61 | 50 | 0.72 | 300 | 424CU03 | 416MC03 |
| HW300 01004 | 10 | 4 | 7 | 30 | 10 | 0.68 | 50 | 0.79 | 345 | 424CU04 | 416MC04 |
| HW300 01005 | 10 | 5 | 7 | 30 | 10 | 0.72 | 50 | 0.83 | 450 | 424CU04 | 416MC04 |
| HW300 01007 | 10 | 7 | 7 | 30 | 10 | 0.78 | 50 | 0.89 | 560 | 424CU04 | 416MC04 |
| HW300 01009 | 10 | 9 | 7 | 30 | 10 | 0.88 | 50 | 0.99 | 640 | 424CU04 | 416MC04 |
| HW300 01012 | 10 | 12 | 7 | 30 | 10 | 1.02 | 50 | 1.13 | 880 | 424CU05 | 416MC05 |
| HW300 01015 | 10 | 15 | 7 | 30 | 10 | 1.07 | 50 | 1.18 | 965 | 424CU05 | 416MC05 |
| HW300 01019 | 10 | 19 | 7 | 30 | 10 | 1.16 | 50 | 1.27 | 1300 | 424CU06 | 416MC06 |
| HW300 01025 | 10 | 25 | 7 | 30 | 10 | 1.31 | 50 | 1.42 | 1500 | 424CU06 | 416MC06 |
| HW300 01037 | 10 | 37 | 7 | 30 | 10 | 1.52 | 50 | 1.64 | 2450 | 424CU06 | 416MC07 |

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