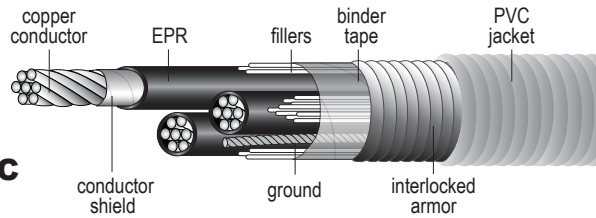


SPECIFICATION
HW302

**INTERLOCKED ARMOR
– POWER CABLE**

**2.4kV UL Type MV-105 or MC, CT USE, 105°C
Non-Shielded, EPR Insulation
100% and 133% Insulation Level
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
HW302 00603	6	3	7	115	6	1.19	50	1.30	905	424CU06	416MC06
HW302 00403	4	3	7	115	6	1.29	50	1.40	1115	424CU06	416MC06
HW302 00203	2	3	7	115	6	1.42	50	1.53	1430	424CU06	416MC07
HW302 00103	1	3	19	115	4	1.50	50	1.61	1770	424CU06	416MC07
HW302 10103	1/0	3	19	115	4	1.59	60	1.72	2025	424CU07	416MC08
HW302 20103	2/0	3	19	115	4	1.72	60	1.85	2390	424CU07	416MC08
HW302 30103	3/0	3	19	115	3	1.83	60	1.96	3000	424CU07	416MC08
HW302 40103	4/0	3	19	115	3	1.95	60	2.08	3395	424CU07	416MC08
HW302 25003	250	3	37	115	3	2.07	60	2.20	3900	424CU08	416MC09
HW302 35003	350	3	37	115	2	2.30	75	2.46	5105	424CU09	416MC09
HW302 50003	500	3	37	115	1	2.57	75	2.73	6800	424CU09	416MC09
HW302 75003	750	3	61	115	1/0	2.98	85	3.14	9400	424MA	416MC10

APPLICATION:

For use in harsh environments where maximum conductor protection is required. Used for primary power and feeder circuits in a broad range of commercial and industrial power distribution systems. Approved for use in wet or dry locations at 105°C, for installation indoors or outdoors, aerially, in conduits, ducts, cable trays or direct burial in circuits not exceeding 5000 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 105°C for continuous operation, 140°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, with a semi-conducting conductor shield

INSULATION:

Ethylene propylene rubber (EPR) per ICEA S-96-659

GROUNDING CONDUCTOR:

Soft bare annealed copper per ASTM B-3, Class B stranding per ASTM B-8 sized in accordance with UL Standard 1072

ARMOR:

Aluminum interlocked tape armor per UL Standard 1072 and applicable ICEA standards, also available in galvanized steel armor

JACKET:

Yellow sunlight-resistant PVC per UL Standard 1072 and applicable ICEA standards

FLAME TESTS:

- UL 1581 and IEEE 383 (70,000 BTU/hr) Flame Test
- IEEE 1202 (2AWG and larger) CSA FT4 Flame Test
- ICEA T-29-520 (210,000 BTU/hr) Flame Test

COLOR CODE:

ICEA Method 4

ADDITIONAL STANDARDS:

NEMA WC71

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
- For size 750 kcmil, see 424MA series in Section J