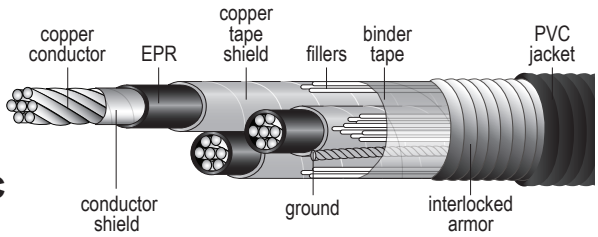
INTERLOCKED ARMOR – POWER CABLE



15kV UL Type MV-105 or MC, CT USE, 105°C Shielded, EPR Insulation 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
HW303 00203	2	3	7	220	6	2.11	60	2.24	2605	424CU08	416MC09
HW303 00103	1	3	19	220	4	2.08	60	2.21	2835	424CU08	416MC09
HW303 10103	1/0	3	19	220	4	2.17	60	2.30	3100	424CU08	416MC09
HW303 20103	2/0	3	19	220	4	2.27	60	2.39	3530	424CU09	416MC09
HW303 30103	3/0	3	19	220	3	2.37	75	2.53	3990	424CU09	416MC09
HW303 40103	4/0	3	19	220	3	2.49	75	2.65	4615	424CU09	416MC09
HW303 25003	250	3	37	220	3	2.61	75	2.77	5315	424CU09	416MC09
HW303 35003	350	3	37	220	2	2.84	75	2.99	6600	424MA09V	416MC10
HW303 50003	500	3	37	220	1	3.11	85	3.47	8710	424MA10V	416MC10
HW303 75003	750	3	61	220	1/0	3.52	85	3.69	11695	424MA11V	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 15000 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-97-682 with a semi-conducting insulation shield

SHIELD:
Uncoated copper tape with a minimum 12.5% overlap per ICEA S-97-682

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 ICEA S-93-639, also available in galvanized steel armor

JACKET:
Red sunlight-resistant PVC per UL Standard 1072 and ICEA S-93-639

FLAME TESTS:
- UL 1581 and IEEE 383 (70,000 BTU/hr) Flame Test
- IEEE 1202 Flame Test
- ICEA T-29-5200 (210,000 BTU/hr) Flame Test

COLOR CODE:
ICEA Method 4

ADDITIONAL STANDARDS:
NEMA WC74

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 sizes 350-500 kcmil, see 424MA series in Section J