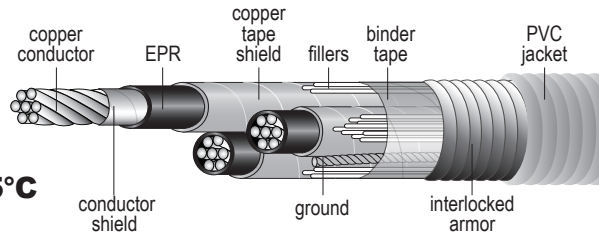


**INTERLOCKED ARMOR  
– POWER CABLE**

**5kV/8kV UL Type MV-105 or MC, CT USE, 105°C  
Shielded, EPR Insulation  
8kV, 100% and 5kV, 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
HW315 00203	2	3	7	115	6	1.626	60	1.746	1805	TMCX200SA	TMC200SA
HW315 00103	1	3	7	115	6	1.712	60	1.832	2078	TMCX200SA	TMC200SA
HW315 10103	1/0	3	7	115	6	1.799	60	1.919	2379	TMCX200A	TMC200A
HW315 20103	2/0	3	19	115	4	1.885	60	2.005	2729	TMCX100A	TMC100A
HW315 30103	3/0	3	19	115	4	1.993	60	2.113	3173	TMCX100A	TMC100A
HW315 40103	4/0	3	19	115	4	2.112	60	2.232	3723	TMCX250SA	TMC250SA
HW315 25003	250	3	19	115	3	2.231	60	2.351	4202	TMCX250SA	TMC250SA
HW315 35003	350	3	19	115	3	2.457	75	2.607	5490	TMCX250A	TMC250A
HW315 50003	500	3	37	115	3	2.727	75	2.877	7245	TMCX300A	TMC300A
HW315 75003	750	3	37	115	2	3.132	85	3.302	10180	TMCX350A	TMC350A

**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:**

- IEEE 383 (70,000 BTU/hr) Flame Test
- UL 1581 (70,000 BTU/hr) Flame Test
- IEEE 1202 (70,000 BTU/hr) CSA FT4 Flame Test
- ICEA T-29-520 (210,000 BTU/hr) Flame Test
- ICEA T-30-520 (70,000 BTU/hr) Flame Test

**COLOR CODE:**

ICEA Method 3

**ADDITIONAL STANDARDS:**

ICEA S-93-639 (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

ARMORED CABLE