

Corrugated Armor

2.4kV - CCW Armored Power, Nonshielded, 3/C VFD

UL Type MC-HL or MV-90, EPR
90°C
Cable Tray Use, Sunlight-Resistant, Direct Burial, ABS CWCMC



*Product images are for illustrative purposes only and may differ from the actual product.

Category Conductor Description:

- Bare annealed copper per ASTM B3 Compact stranding per ASTM B496

Category Insulation Description:

- 90 mils Ethylene Propylene Rubber (EPR) per ICEA S-96-659 and UL 1072 Insulation is printed 1-Black, 2-Red, and 3-Blue for phase identification

Armor:

- Continuous, impervious, welded, corrugated aluminum armor

Applications:

- Variable Frequency Drives: 3-conductor CCW armored cables with 3 symmetrical grounding wire are the preferred wiring method for use with AC motors controlled by pulse-width modulated inverters in VFD applications
- For use in feeders and branch circuits in industrial power distribution systems per NEC articles 328 and 330
- Approved for Classes I, II and III, Divisions 1 and 2; and Class I, Zones 1 and 2, hazardous locations covered under NEC Articles 501, 502, and 503
- Installed on metal racks, troughs, in raceways, in cable trays or secured to supports spaced no more than 6 feet apart
- Installed in both exposed and concealed work, wet or dry locations, directly buried or embedded in concrete

Extruded Strand Shield:

- Extruded thermoset semi-conductor stress control layer over conductor per ICEA S-96-659 and UL 1072

Grounding Conductor:

- Three split Class B stranded bare annealed copper grounding conductors Sized in accordance with UL 1072 and NEC Table 250.122

Category Jacket Description:

- Flame-retardant, moisture and sunlight resistant Polyvinyl Chloride (PVC), yellow Low temperature performance meets ASTM D746 brittleness temperature at or below 40°C

Part Number Table

Part#	Houston Wire & Cable	Gauge	Conductors	Ground Gauge	Insulation Thickness	Nominal OD over Armor	Nominal OD Overall	Material Weight (Lbs./M')
XMVE10403	HW309 00403	4	3	3 x #10	0.09	1.19	1.30	965
XMVE10203	HW309 00203	2	3	3 x #10	0.09	1.34	1.45	1333
XMVE11/003	HW309 10103	1/0	3	3 x #8	0.09	1.51	1.65	1880
XMVE12/003	HW309 20103	2/0	3	3 x #8	0.09	1.60	1.73	2204
XMVE14/003	HW309 40103	4/0	3	3 x #7	0.09	1.83	1.96	3184
XMVE125003	HW309 25003	250	3	3 x #7	0.09	1.96	2.09	3582
XMVE135003	HW30250003	350	3	3 x #6	0.09	2.19	2.32	4836
XMVE150003	HW309 50003	500	3	3 x #5	0.09	2.45	2.61	6491
XMVE175003		750	3	3 x #4	0.09	2.93	3.10	9463

Note: The data shown are approximate and subject to standard industry and manufacturer tolerances

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