

5/8kV - CCW Armored Power, Shielded, 3/C VFD

Continuously Corrugated Welded Cable – CCW®
Variable Frequency Drive Cable
EPR Insulation - PVC Jacket
105°C - UL Type MC-HL or MV-105
5kV(133%)/8kV(100%) - 3-Conductor - Shielded



*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:

- Ethylene Propylene Rubber (EPR)

Armor:

- Impervious, continuously welded and corrugated aluminum alloy sheath

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, 503 and 505 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-93-639 and UL 1072

Grounding Conductor:

- Three split Class B stranded bare annealed copper grounding conductors Sized in accordance with UL 1072 and NEC Article 250

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

Standards:

- UL 1072
- UL 1569
- UL 2225
- UL 1309
- IEEE 1202 available upon request

Part Number Table

Part#	Houston Wire & Cable	Gauge	Conductors	Ground Gauge	Insulation Thickness	Nominal OD over Armor	Nominal OD Overall	Material Weight (Lbs./M')
XMVE20603	HW310 00603	6	3	3 x 10AWG	0.115	1.37	1.48	1121
XMVE20403	HW310.pdf	4	3	3 x 10AWG	0.115	1.51	1.65	1418
XMVE20203	HW310.pdf	2	3	3 x 10AWG	0.115	1.64	1.78	1764
XMVE21/003	HW310 10103	1/0	3	3 x 8AWG	0.115	1.78	1.91	2314
XMVE22/003	HW310 20103	2/0	3	3 x 8AWG	0.115	1.92	2.05	2671
XMVE24/003	HW310.pdf	4/0	3	3 x 7AWG	0.115	2.15	2.28	3727
XMVE225003	HW310 25003	250	3	3 x 6AWG	0.115	2.23	2.36	4060
XMVE235003	HW310.pdf	350	3	3 x 6AWG	0.115	2.45	2.61	5264
XMVE250003	HW310.pdf	500	3	3 x 5AWG	0.115	2.75	2.92	7250
XMVE275003		750	3	3 x 4AWG	0.115	3.32	3.50	10505

Note: The data shown are approximate and subject to standard industry and manufacturer tolerances. Please verify specific requirements with your Omni Cable account manager General Cable CCW® is a registered trademark of General Cable

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