

# Corrugated Armor

## 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&deg;C

### Standards:

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



**Part Number Table**

<b>Part#</b>	<b>Gauge</b>	<b>Conductors</b>	<b>Ground Gauge</b>	<b>Insulation Thickness</b>	<b>Nominal OD over Armor</b>	<b>Nominal OD Overall</b>	<b>Material Weight (Lbs./M')</b>
XMVE20603	6	3	3 x 10AWG	0.115	1.37	1.48	1121
XMVE20403	4	3	3 x 10AWG	0.115	1.51	1.65	1418
XMVE20203	2	3	3 x 10AWG	0.115	1.64	1.78	1764
XMVE21/003	1/0	3	3 x 8AWG	0.115	1.78	1.91	2314
XMVE22/003	2/0	3	3 x 8AWG	0.115	1.92	2.05	2671
XMVE24/003	4/0	3	3 x 7AWG	0.115	2.15	2.28	3727
XMVE225003	250	3	3 x 6AWG	0.115	2.23	2.36	4060
XMVE235003	350	3	3 x 6AWG	0.115	2.45	2.61	5264
XMVE250003	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

Selling Exclusively Through Distribution Since 1977™ | phone: 800-292-OMNI | website: [omnicable.com](http://omnicable.com)

Atlanta • Boston • Charlotte • Chicago • Cincinnati • Denver • Houston • Los Angeles • Philadelphia • San Francisco • Seattle •  
St. Louis • Tampa • Toronto

© 2020 Omni Cable LLC