

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

Corrugated Armor



*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

Extruded Strand Shield:

- Extruded thermoset semi-conductor
stress control layer over conductor
per ICEA S-93-639 and UL 1072

Category Insulation Description:

- Ethylene Propylene Rubber (EPR)

Grounding Conductor:

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

Armor:

- Impervious, continuously welded and
corrugated aluminum alloy sheath

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

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

Standards:

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

PART NUMBER TABLE

Part#	Gauge	Conductors	Ground Gauge	Insulation Thickness	Nominal OD over Armor	Nominal OD Overall	Material Weight (Lbs./M')
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.

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