



\$3.81

(\$0.02)

as of 10:05 EST

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5/8kV - CCW Armored Power, 5kV-133%/8kV-100%, Shielded, 3/C VFD**UL Type MC-HL or MV-105, EPR****105°C****Cable Tray Use, Sunlight-Resistant, Direct Burial, ABS CWCMC**[Download PDF](#)

CONSTRUCTION	
Jacket:	- Flame-retardant, moisture and sunlight resistant PVC, yellow - Low temperature performance meets ASTM D746 brittleness temperature at or below 40°C
Cable Assembly:	- Insulated and grounding conductors are cabled together with non-hygroscopic fillers when required - Binder tape is applied over the cabled core
Extruded Strand Shield:	Extruded thermoset semi-conductor stress control layer over conductor per ICEA S-93-639 and UL 1072
Insulation:	115 mils EPR per ICEA S-93-639 and UL 1072
Extruded Insulation Shield:	Thermoset semi-conducting polymeric layer, free stripping from the insulation per ICEA S-93-639 and UL 1072
Conductor:	- Bare annealed copper per ASTM B3 - Compact stranding per ASTM B496
Shield:	5 mil annealed bare copper tape with 25% overlap
Grounding Conductor:	- Three split Class B stranded bare annealed copper grounding conductors - Sized in accordance with UL 1072 and NEC Article 250

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

Features:

- Cable meets cold impact at -40°C
- 90°C continuous operating temperature, wet or dry
- 140°C emergency rating
- 250°C short circuit rating

Part #	AWG Size	No. of Cond.	Grd. Size	Nom. Insul. Thick.	Nom. Jacket Thick	Nom. O.D.		Lbs./M'
						Armor	Overall	
XMVE20403	4	3	3 x 10AWG	.115"	.060"	1.51"	1.65"	1418
XMVE20203	2	3	3 x 10AWG	.115"	.060"	1.64"	1.78"	1731
XMVE21003	1/0	3	3 x 8AWG	.118"	.060"	1.78"	1.91"	2259
XMVE22003	2/0	3	3 x 6AWG	.115"	.060"	1.82"	2.05"	2626

5/8kV - CCW Armored Power, 5kV-133%/8kV-100%, Shielded, 3/C VFD

UL Type MC-HL or MV-105, EPR

105°C

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XMVE24003	4/0	3	3 x 7AWG	.115"	.060"	2.15"	2.28"	3850
XMVE225003	250	3	3 x 7AWG	.115"	.060"	2.23"	2.36"	4060
XMVE235003	350	3	3 x 6AWG	.115"	.075"	2.45"	2.61"	5045
XMVE250003	500	3	3 x 5AWG	.115"	.075"	2.75"	2.92"	7137
XMVE275003	750	3	3 x 4AWG	.115"	.085"	3.32"	3.50"	10268

Note: The information in this specification sheet is approximate and subject to standard industry and manufacturer tolerances. Please verify specific requirements with your Omni Cable account manager.