VFD

Three Conductor Variable Frequency Drive Cable
2000V UL Type TC-ER

APPLICATION:

Three Conductor Variable Frequency Drive 2000V Cables are primarily used with AC motors controlled by pulse-width modulated inverter in VFD applications rated up to 2000 Volts. Suitable for installation in cable trays, raceways, or direct burial. They also may be installed in wet or dry locations and are permitted for use in Class I - Div 2, Class II - Div 2, and Class III - Div 1 and 2 industrial hazardous locations.

Three Conductor Variable Frequency Drive 2000V Cables DO NOT require Termination Kits.

CONDUCTORS:

- Fully annealed bare copper Class B compressed strand per ASTM B-8

GROUND(S):

- 3 symmetrically placed annealed bare copper conductors in direct contact with shield. Class B stranding per ASTM B-8

INSULATION:

- Heat and moisture resistant, chemically cross-linked polyethylene (XLPE) insulation

COLOR CODE:

- Black insulation with ICEA Method 4 printed numbers

ICEA Method 4 - All Black Conductors

Cond #	Cond Printing
1	"1-One"
2	"2-Two"
3	"3-Three"

SHIELDING:

- Overall 5 mil annealed bare copper tape shield, helically applied with 50% overlap and 100% coverage

JACKET:

- Lead-free, flame-retardant polyvinyl chloride (PVC) jacket that is sunlight, weather, chemical and abrasion resistant
- Meets cold bend test at -25°C and crush and impact requirements for Type MC Cable

STANDARDS:

- UL Listed as TC-ER (Exposed Run) per UL Standard 1277 as defined by NEC for 3 or more conductors
- UL Type RHH or RHW-2 conductors per UL 44
- Flame Rated: IEEE (70,000 BTU), IEEE 1202/CSA FT-4, ICEA T-29-520 (210,000 BTU, 1/0 AWG and larger), Two-hour Firewall
- Rated 90°C wet or dry
- Direct Burial
- Approved for Class 1 and 2, Division 2 and Class 3, Divison 1 and 2 industrial hazardous locations per NEC
- REACH Compliant

#2210-03

RoHS COMPLIANT

1-800-945-5542
www.PriorityWire.com

PRIORITY WIRE & CABLE, INC.

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2000V UL Type TC-ER

Part Number	Conductor Size	Conductor Stranding	Ground Wire(s) Size	Insulation Thickness		Jacket Thickness		Overall Diameter		Net Weight	Ampacity*
	AWG/kcmil		AWG	inches	mm	inches	mm	inches	mm	lbs/mft	amps
14-03VFD-3G-2KV	14	7W	3#14	0.06	1.5	0.06	1.5	0.55	14.0	218	25
12-03VFD-3G-2KV	12	7W	3#14	0.06	1.5	0.06	1.5	0.59	15.0	258	30
10-03VFD-3G-2KV	10	7W	3#14	0.06	1.5	0.06	1.5	0.64	16.3	311	40
8-03VFD-3G-2KV	8	7W	3#14	0.07	1.8	0.06	1.5	0.79	20.1	444	55
6-03VFD-3G-2KV	6	7W	3#12	0.07	1.8	0.08	2.0	0.93	23.6	654	75
4-03VFD-3G-2KV	4	7W	3#12	0.07	1.8	0.08	2.0	1.04	26.4	861	95
2-03VFD-3G-2KV	2	7W	3#10	0.07	1.8	0.08	2.0	1.15	29.2	1197	130
1/0-03VFD-3G-2KV	1/0	19W	3#10	0.09	2.3	0.08	2.0	1.40	35.6	1749	170
2/0-03VFD-3G-2KV	2/0	19W	3#10	0.09	2.3	0.08	2.0	1.49	37.9	2077	195
3/0-03VFD-3G-2KV	3/0	19W	3#8	0.09	2.3	0.08	2.0	1.60	40.6	2534	225
4/0-03VFD-3G-2KV	4/0	19W	3#8	0.09	2.3	0.11	2.8	1.78	45.2	3142	260
250-03VFD-3G-2KV	250	37W	3#8	0.11	2.8	0.11	2.8	1.92	48.8	3614	290
350-03VFD-3G-2KV	350	37W	3#6	0.11	2.8	0.11	2.8	2.13	54.1	4822	350
500-03VFD-3G-2KV	500	37W	3#6	0.11	2.8	0.11	2.8	2.40	61.0	6474	430

All values are nominal and subject to correction
**30°C ambient/90°C Wet/Dry per NEC Table 310.15 (B)(16). NOTE: The data shown is approximate and subject to standard industry tolerances.*

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