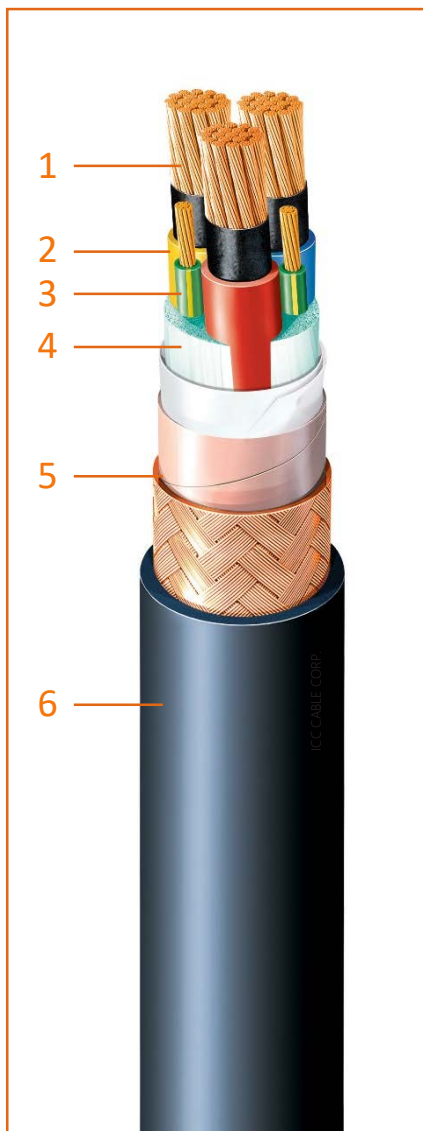


FX-TFOI VFD CABLE

1.8/3KV VFD FLEXIBLE FLAME RETARDANT COPPER WIRE BRAID SHIELD CABLE



PRODUCT DESCRIPTION

1.8/3KV VARIABLE FREQUENCY DRIVE (VFD) CABLE
 COMMERCIAL MARINE POWER CABLE
 90°C TEMPERATURE RATING
 LOW SMOKE HALOGEN-FREE
 FLAME RETARDANT
 ABS, DNV-GL, LLOYD APPROVED

PRODUCT CONSTRUCTION

1. CONDUCTOR

CLASS 5 FEXIBLE STRANDED BARE ANNEALED COPPER WIRE
TINNED COPPER CONDUCTOR OPTION AVAILABLE

2. INSULATION

CROSS-LINKED POLYETHYLENE (XLPE)
 IEEE 1580 COLOR CODE

3. GROUND CONDUCTOR

STRANDED BARE ANNEALED COPPER WIRE (YELLOW/GREEN)

4. INNER COVERING/BEDDING

NON-HYGROSCOPIC MATERIAL

5. SHIELD

CU/PS TAPE (100% COVERAGE)
 BARE COPPER WIRE BRAID (MIN. 90%)

6. SHEATH

BLACK POLYOLEFIN SHF1

LSZH CABLE



STANDARDS

- DESIGN GUIDE: IEC 60092-350/353
- CONDUCTOR: IEC 60228 CLASS 2
- INSULATION: IEC 60092-351 (XLPE)
- SHEATH: IEC 60092-359 (SHF1)
- FLAME RETARDANT: IEC 60332-1/3 CAT.A
- HALOGEN FREE: IEC 60754-1, ≤0.5%
- LOW SMOKE: IEC 61034, >60%
- COLD BEND/IMPACT:
CSA 22.2 NO. 03 (-40°C/-35°C)
- IEEE 45, IEEE 1580

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FX-TFOI VFD POWER CABLE: SINGLE CONDUCTOR

PART NO.	CONDUCTOR		NOMINAL OD		WEIGHT		AMPACITY
	# OF CORES	SIZE (MM2)	INCHES	MM	LTS/MFT	KG/KM	90°C
FX-TFOI1C10MM2VFD	1	10	0.48	12.20	168	250	72
FX-TFOI1C16MM2VFD	1	16	0.56	14.10	228	340	96
FX-TFOI1C25MM2VFD	1	25	0.62	15.70	316	470	127
FX-TFOI1C35MM2VFD	1	35	0.67	17.10	396	590	157
FX-TFOI1C50MM2VFD	1	50	0.73	18.50	491	730	196
FX-TFOI1C70MM2VFD	1	70	0.81	20.60	645	960	242
FX-TFOI1C95MM2VFD	1	95	0.89	22.50	806	1200	293
FX-TFOI1C120MM2VFD	1	120	0.96	24.40	988	1470	339
FX-TFOI1C150MM2VFD	1	150	1.03	26.20	1176	1750	389
FX-TFOI1C185MM2VFD	1	185	1.10	27.90	1398	2080	444
FX-TFOI1C240MM2VFD	1	240	1.23	31.20	1841	2740	522
FX-TFOI1C300MM2VFD	1	300	1.34	33.90	2278	3390	601

LSZH CABLE

FX-TFOI VFD POWER CABLE: THREE CONDUCTOR + THREE GROUND

PART NO.	CONDUCTOR		GROUND	NOMINAL OD		WEIGHT		AMPACITY
	SIZE (MM2)	SIZE (MM2)	SIZE (MM2)	INCHES	MM	LBS/MFT	KG/KM	90°C
FX-TFOI3C16MM2VFD	3	16	3E x 6	1.02	25.90	773	1150	67
FX-TFOI3C25MM2VFD	3	25	3E x 6	1.16	29.50	1028	1530	89
FX-TFOI3C35MM2VFD	3	35	3E x 6	1.27	32.30	1270	1890	110
FX-TFOI3C50MM2VFD	3	50	3E x 10	1.43	36.20	1720	2560	137
FX-TFOI3C70MM2VFD	3	70	3E x 16	1.59	40.50	2312	3440	169
FX-TFOI3C95MM2VFD	3	95	3E x 16	1.76	44.60	2836	4220	205
FX-TFOI3C120MM2VFD	3	120	3E x 25	1.95	49.50	3649	5430	237
FX-TFOI3C150MM2VFD	3	150	3E x 25	2.09	53.10	4227	6290	273
FX-TFOI3C185MM2VFD	3	185	3E x 35	2.23	56.60	5094	7580	311
FX-TFOI3C240MM2VFD	3	240	3E x 50	2.52	63.90	6773	10080	366

DATA SUBJECT TO NORMAL MANUFACTURING TOLERANCES
AMPACITY BASED ON 45°C AMBIENT TEMPERATURE; 90°C BASED ON IEC 60092-352 TABLE B.4