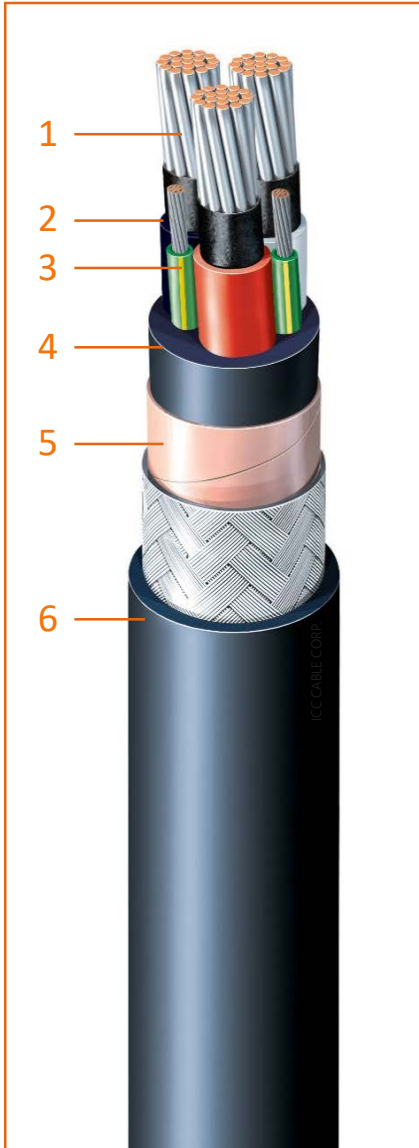


## 1.8/3KV RFOU-VFD, FLAME RETARDANT LSZH VFD POWER CABLE



### PRODUCT DESCRIPTION

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

### PRODUCT CONSTRUCTION

#### 1. CONDUCTOR

STRANDED TINNED ANNEALED COPPER WIRE  
CLASS 5 FLEXIBLE CONDUCTOR OPTIONS AVAILABLE

#### 2. INSULATION

HALOGEN FREE ETHYLENE PROPYLENE RUBBER (EPR)

#### 3. GROUND CONDUCTOR

STRANDED TINNED ANNEALED COPPER WIRE

#### 4. INNER COVERING/BEDDING

FLAME RETARDANT HALOGEN FREE COMPOUND

#### 5. ARMOR

CU/PS TAPE (100% COVERAGE)  
TINNED ANNEALED COPPER WIRE BRAID  
BRONZE WIRE BRAID OPTIONS AVAILABLE

#### 6. SHEATH

SHF2, BLACK COLOR  
SHF MUD OPTIONS AVAILABLE

LSZH CABLE



### STANDARDS

- DESIGN GUIDE: NEK 606, IEC 60092-353
- CONDUCTOR: IEC 60228 CLASS 2
- INSULATION & SHEATH: IEC 60092-360
- FLAME RETARDANT: IEC 60332-1/3 CAT.A
- MUD RESISTANT: NEK 606
- HALOGEN FREE: IEC 60754-1, ≤0.5%
- LOW SMOKE: IEC 61034, >60%
- COLD BEND/IMPACT:  
CSA 22.2 NO. 03 (-40°C/-35°C)
- ARCTIC OPTIONS AVAILABLE:  
CSA 22.2 NO. 03 (-65°C/-65°C)

## 1.8/3KV RFOU-VFD, FLAME RETARDANT LSZH VFD POWER CABLE

### 0.6/1KV (1.8/3KV) RFOU VFD POWER CABLE

PART NO.	CONDUCTOR		GROUND	NOMINAL OD		WEIGHT		AMPACITY
	# OF CORES	SIZE (MM2)	SIZE (MM2)	INCHES	MM	LBS/MFT	KG/KM	90°C
NEK-RFOU3C10VFD	3	10	3E x 4	1.09	27.80	880	1310	50
NEK-RFOU3C16VFD	3	16	3E x 6	1.18	29.90	1095	1630	67
NEK-RFOU3C25VFD	3	25	3E x 6	1.25	31.70	1324	1970	89
NEK-RFOU3C35VFD	3	35	3E x 6	1.37	34.90	1626	2420	110
NEK-RFOU3C50VFD	3	50	3E x 10	1.52	38.50	2123	3160	137
NEK-RFOU3C70VFD	3	70	3E x 16	1.68	42.60	2789	4150	169
NEK-RFOU3C95VFD	3	95	3E x 16	1.90	48.30	3582	5330	205
NEK-RFOU3C120VFD	3	120	3E x 25	2.06	52.20	4395	6540	237
NEK-RFOU3C150VFD	3	150	3E x 25	2.20	55.80	5100	7590	273
NEK-RFOU3C185VFD	3	185	3E x 35	2.38	60.50	6202	9230	311
NEK-RFOU3C240VFD	3	240	3E x 50	2.63	66.70	7855	11690	366

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

LSZH CABLE

### 0.6/1KV (1.8/3KV) FX-RFOU VFD POWER CABLE (CLASS 5 FLEXIBLE CONDUCTOR)

PART NO.	CONDUCTOR		GROUND	NOMINAL OD		WEIGHT		AMPACITY
	# OF CORES	SIZE (MM2)	SIZE (MM2)	INCHES	MM	LBS/MFT	KG/KM	90°C
NEK-FX-RFOU3C10VFD	3	10	3E x 4	1.10	27.90	887	1320	50
NEK-FX-RFOU3C16VFD	3	16	3E x 6	1.21	30.80	1129	1680	67
NEK-FX-RFOU3C25VFD	3	25	3E x 6	1.36	34.50	1438	2140	89
NEK-FX-RFOU3C35VFD	3	35	3E x 6	1.50	38.10	1821	2710	110
NEK-FX-RFOU3C50VFD	3	50	3E x 10	1.65	41.90	2365	3520	137
NEK-FX-RFOU3C70VFD	3	70	3E x 16	1.84	46.80	3057	4550	169
NEK-FX-RFOU3C95VFD	3	95	3E x 16	2.05	52.00	3790	5640	205
NEK-FX-RFOU3C120VFD	3	120	3E x 25	2.21	56.00	4623	6880	237
NEK-FX-RFOU3C150VFD	3	150	3E x 25	2.39	60.70	5456	8120	273
NEK-FX-RFOU3C185VFD	3	185	3E x 35	2.56	65.00	6464	9620	311
NEK-FX-RFOU3C240VFD	3	240	3E x 50	2.85	72.50	8326	12390	366

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