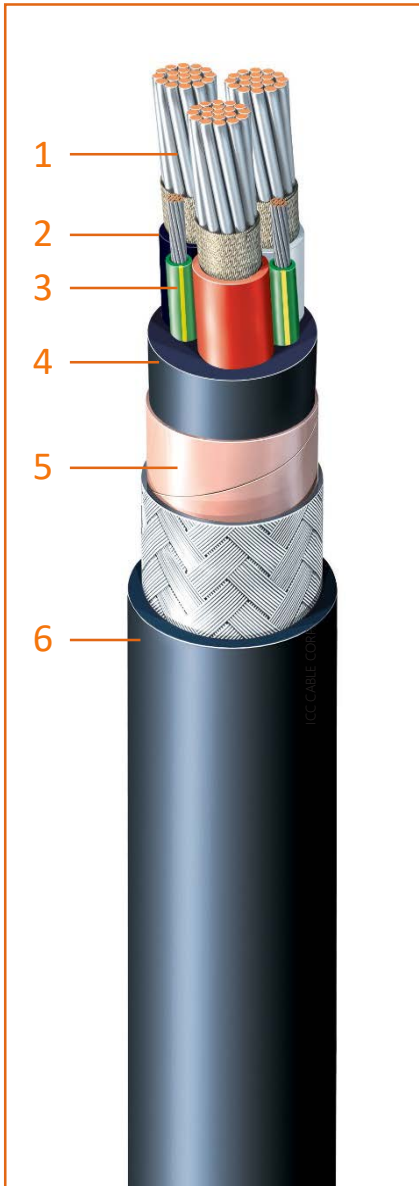


## 1.8/3KV BFOU-VFD, FIRE RESISTANT LSZH VFD POWER CABLE



### PRODUCT DESCRIPTION

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

### PRODUCT CONSTRUCTION

#### 1. CONDUCTOR

STRANDED TINNED ANNEALED COPPER WIRE  
MICA/GLASS TAPE FOR FIRE RESISTANT LAYER  
*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
- FIRE RESISTANT: IEC 60331-1/2/21
- 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 BFOU-VFD, FIRE RESISTANT LSZH VFD POWER CABLE

### 0.6/1KV (1.8/3KV) BFOU 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-BFOU3C10VFD	3	10	3E x 4	1.16	29.40	947	1410	50
NEK-BFOU3C16VFD	3	16	3E x 6	1.25	31.80	1183	1760	67
NEK-BFOU3C25VFD	3	25	3E x 6	1.30	33.00	1391	2070	89
NEK-BFOU3C35VFD	3	35	3E x 6	1.44	36.60	1767	2630	110
NEK-BFOU3C50VFD	3	50	3E x 10	1.57	39.80	2197	3270	137
NEK-BFOU3C70VFD	3	70	3E x 16	1.74	44.10	2889	4300	169
NEK-BFOU3C95VFD	3	95	3E x 16	1.96	49.80	3689	5490	205
NEK-BFOU3C120VFD	3	120	3E x 25	2.11	53.50	4495	6690	237
NEK-BFOU3C150VFD	3	150	3E x 25	2.27	57.70	5241	7800	273
NEK-BFOU3C185VFD	3	185	3E x 35	2.44	62.00	6330	9420	311
NEK-BFOU3C240VFD	3	240	3E x 50	2.69	68.20	7996	11900	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-BFOU 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-BFOU3C10VFD	3	10	3E x 4	1.17	29.80	974	1450	50
NEK-BFOU3C16VFD	3	16	3E x 6	1.33	33.80	1277	1900	67
NEK-BFOU3C25VFD	3	25	3E x 6	1.41	35.70	1505	2240	89
NEK-BFOU3C35VFD	3	35	3E x 6	1.55	39.40	1908	2840	110
NEK-BFOU3C50VFD	3	50	3E x 10	1.69	43.00	2446	3640	137
NEK-BFOU3C70VFD	3	70	3E x 16	1.95	49.40	3272	4870	169
NEK-BFOU3C95VFD	3	95	3E x 16	2.09	53.00	3877	5770	205
NEK-BFOU3C120VFD	3	120	3E x 25	2.31	58.60	4845	7210	237
NEK-BFOU3C150VFD	3	150	3E x 25	2.43	61.80	5577	8300	273
NEK-BFOU3C185VFD	3	185	3E x 35	2.61	66.30	6612	9840	311
NEK-BFOU3C240VFD	3	240	3E x 50	2.96	75.20	8621	12830	366

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