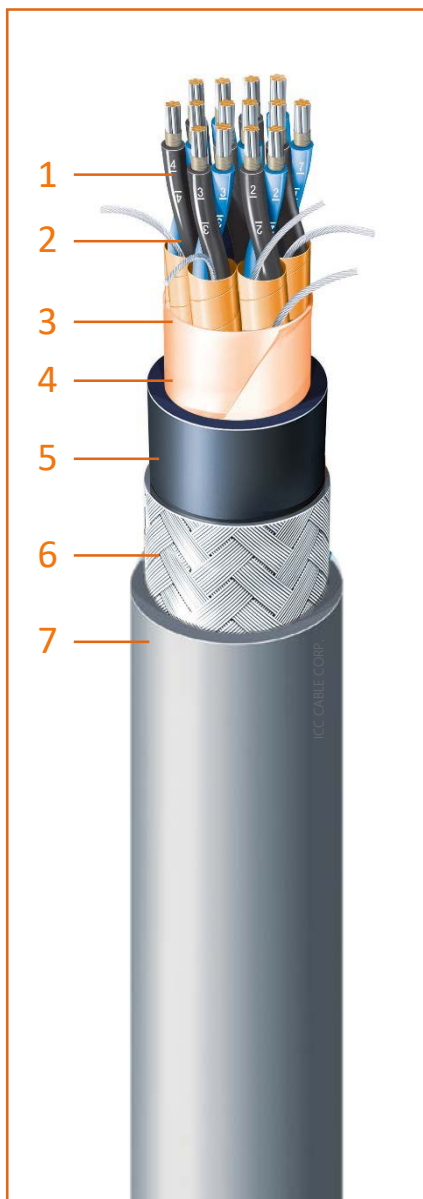


NEK 606 BFOU(IC) CABLE

250V BFOU(IC) FIRE RESISTANT, MUD RESISTANT CABLE: SHIELDED PAIRS/TRIADS



PRODUCT DESCRIPTION

250V SHIELDED PAIRS/TRIADS INSTRUMENTATION
90°C TEMP. 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. INDIVIDUAL SHIELD

AL/PS TAPE W/TINNED COPPER DRAIN WIRE

4. OVERALL SHIELD

AL/PS TAPE W/TINNED COPPER DRAIN WIRE

5. INNER COVERING/BEDDING

FLAME RETARDANT HALOGEN FREE COMPOUND

6. ARMOR

TINNED COPPER WIRE BRAID
BRONZE WIRE/GALVANIZED STEEL WIRE OPTIONS AVAILABLE

7. SHEATH

SHF MUD, GRAY COLOR
BLUE COLOR (IS) 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)



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250V BFOU(IC) CABLE: COLOR CODE

TYPE	COLOR CODE
PAIR	BLACK, LIGHT BLUE
TRIAD	BLACK, LIGHT BLUE, BROWN
MULTI PAIRS/TRIADS	NUMBERING ON INSULATION

LSZH CABLE

250V BFOU(IC): INDIVIDUAL & COMMON SHIELDED PAIRS

PART NO.	CONDUCTOR		NOMINAL OD		WEIGHT	
	# OF PAIRS	SIZE (MM ²)	INPHES	MM	LBS/MFT	KG/KM
NEK-BFOU/B(C)1P0.75	1	0.75	0.47	12.00	161	240
NEK-BFOU/B(IC)2P0.75	2	0.75	0.68	17.20	296	440
NEK-BFOU/B(IC)3P0.75	3	0.75	0.71	18.00	336	500
NEK-BFOU/B(IC)4P0.75	4	0.75	0.77	19.50	396	590
NEK-BFOU/B(IC)5P0.75	5	0.75	0.84	21.30	464	690
NEK-BFOU/B(IC)6P0.75	6	0.75	0.87	22.20	511	760
NEK-BFOU/B(IC)7P0.75	7	0.75	0.87	22.20	524	780
NEK-BFOU/B(IC)8P0.75	8	0.75	0.95	24.00	598	890
NEK-BFOU/B(IC)10P0.75	10	0.75	1.06	26.90	732	1090
NEK-BFOU/B(IC)12P0.75	12	0.75	1.10	28.00	806	1200
NEK-BFOU/B(IC)14P0.75	14	0.75	1.15	29.30	887	1320
NEK-BFOU/B(IC)16P0.75	16	0.75	1.23	31.30	1001	1490
NEK-BFOU/B(IC)19P0.75	19	0.75	1.26	31.90	1082	1610
NEK-BFOU/B(IC)24P0.75	24	0.75	1.49	37.90	1519	2260
NEK-BFOU/B(IC)32P0.75	32	0.75	1.61	40.90	1828	2720
NEK-BFOU/B(C)1P1.0	1	1.0	0.49	12.40	168	250
NEK-BFOU/B(IC)2P1.0	2	1.0	0.71	17.90	323	480
NEK-BFOU/B(IC)3P1.0	3	1.0	0.74	18.70	370	550
NEK-BFOU/B(IC)4P1.0	4	1.0	0.80	20.40	437	650
NEK-BFOU/B(IC)5P1.0	5	1.0	0.89	22.50	524	780
NEK-BFOU/B(IC)6P1.0	6	1.0	0.91	23.20	564	840
NEK-BFOU/B(IC)7P1.0	7	1.0	0.91	23.20	591	880
NEK-BFOU/B(IC)8P1.0	8	1.0	1.00	25.30	679	1010
NEK-BFOU/B(IC)10P1.0	10	1.0	1.12	28.40	827	1230
NEK-BFOU/B(IC)12P1.0	12	1.0	1.16	29.40	907	1350
NEK-BFOU/B(IC)14P1.0	14	1.0	1.22	30.90	1015	1510
NEK-BFOU/B(IC)16P1.0	16	1.0	1.33	33.70	1216	1810
NEK-BFOU/B(IC)19P1.0	19	1.0	1.35	34.30	1310	1950
NEK-BFOU/B(IC)24P1.0	24	1.0	1.58	40.00	1734	2580
NEK-BFOU/B(IC)32P1.0	32	1.0	1.70	43.10	2076	3090

DATA SUBJECT TO NORMAL MANUFACTURING TOLERANCES.



NEK 606 BFOU(IC) CABLE

250V BFOU(IC) FIRE RESISTANT, MUD RESISTANT CABLE: SHIELDED PAIRS/TRIADS

250V BFOU(IC): INDIVIDUAL & COMMON SHIELDED PAIRS

PART NO.	CONDUCTOR		NOMINAL OD		WEIGHT	
	# OF PAIRS	SIZE (MM2)	INPHES	MM	LBS/MFT	KG/KM
NEK-BFOU/B(C)1P1.5	1	1.5	0.52	13.30	195	290
NEK-BFOU/B(IC)2P1.5	2	1.5	0.78	19.80	390	580
NEK-BFOU/B(IC)3P1.5	3	1.5	0.82	20.70	443	660
NEK-BFOU/B(IC)4P1.5	4	1.5	0.89	22.60	531	790
NEK-BFOU/B(IC)5P1.5	5	1.5	0.98	25.00	638	950
NEK-BFOU/B(IC)6P1.5	6	1.5	1.02	25.80	692	1030
NEK-BFOU/B(IC)7P1.5	7	1.5	1.02	25.80	719	1070
NEK-BFOU/B(IC)8P1.5	8	1.5	1.11	28.20	833	1240
NEK-BFOU/B(IC)10P1.5	10	1.5	1.25	31.80	1021	1520
NEK-BFOU/B(IC)12P1.5	12	1.5	1.33	33.70	1203	1790
NEK-BFOU/B(IC)14P1.5	14	1.5	1.39	35.20	1337	1990
NEK-BFOU/B(IC)16P1.5	16	1.5	1.50	38.10	1572	2340
NEK-BFOU/B(IC)19P1.5	19	1.5	1.53	38.90	1693	2520
NEK-BFOU/B(IC)24P1.5	24	1.5	1.78	45.30	2211	3290
NEK-BFOU/B(IC)32P1.5	32	1.5	1.93	49.00	2674	3980
NEK-BFOU/B(C)1P2.5	1	2.5	0.57	14.40	235	350
NEK-BFOU/B(IC)2P2.5	2	2.5	0.84	21.20	457	680
NEK-BFOU/B(IC)3P2.5	3	2.5	0.89	22.50	538	800
NEK-BFOU/B(IC)4P2.5	4	2.5	0.96	24.30	638	950
NEK-BFOU/B(IC)5P2.5	5	2.5	1.06	27.00	773	1150
NEK-BFOU/B(IC)6P2.5	6	2.5	1.11	28.10	853	1270
NEK-BFOU/B(IC)7P2.5	7	2.5	1.11	28.10	900	1340
NEK-BFOU/B(IC)8P2.5	8	2.5	1.21	30.70	1035	1540
NEK-BFOU/B(IC)10P2.5	10	2.5	1.39	35.40	1364	2030
NEK-BFOU/B(IC)12P2.5	12	2.5	1.46	37.10	1566	2330
NEK-BFOU/B(IC)14P2.5	14	2.5	1.54	39.00	1747	2600
NEK-BFOU/B(IC)16P2.5	16	2.5	1.64	41.70	1969	2930
NEK-BFOU/B(IC)19P2.5	19	2.5	1.67	42.50	2144	3190
NEK-BFOU/B(IC)24P2.5	24	2.5	1.96	49.70	2809	4180
NEK-BFOU/B(IC)32P2.5	32	2.5	2.11	53.70	3414	5080

DATA SUBJECT TO NORMAL MANUFACTURING TOLERANCES.

LSZH CABLE



NEK 606 BFOU(IC) CABLE

250V BFOU(IC) FIRE RESISTANT, MUD RESISTANT CABLE: SHIELDED PAIRS/TRIADS

250V BFOU(IC): INDIVIDUAL & COMMON SHIELDED TRIADS

PART NO.	CONDUCTOR		NOMINAL OD		WEIGHT	
	# OF PAIRS	SIZE (MM2)	INPHES	MM	LBS/MFT	KG/KM
NEK-BFOU/B(C)1T0.75	1	0.75	0.49	12.40	175	260
NEK-BFOU/B(IC)2T0.75	2	0.75	0.71	18.00	329	490
NEK-BFOU/B(IC)3T0.75	3	0.75	0.75	19.00	376	560
NEK-BFOU/B(IC)4T0.75	4	0.75	0.82	20.70	450	670
NEK-BFOU/B(IC)5T0.75	5	0.75	0.89	22.70	538	800
NEK-BFOU/B(IC)6T0.75	6	0.75	1.00	25.30	638	950
NEK-BFOU/B(IC)7T0.75	7	0.75	1.00	25.30	665	990
NEK-BFOU/B(IC)8T0.75	8	0.75	1.06	26.80	739	1100
NEK-BFOU/B(IC)10T0.75	10	0.75	1.19	30.10	900	1340
NEK-BFOU/B(IC)12T0.75	12	0.75	1.25	31.70	1021	1520
NEK-BFOU/B(IC)14T0.75	14	0.75	1.33	33.70	1196	1780
NEK-BFOU/B(IC)16T0.75	16	0.75	1.42	36.00	1391	2070
NEK-BFOU/B(IC)19T0.75	19	0.75	1.53	38.80	1593	2370
NEK-BFOU/B(IC)24T0.75	24	0.75	1.68	42.60	1915	2850
NEK-BFOU/B(IC)32T0.75	32	0.75	1.93	48.90	2500	3720
NEK-BFOU/B(C)1T1.0	1	1.0	0.50	12.70	181	270
NEK-BFOU/B(IC)2T1.0	2	1.0	0.73	18.50	349	520
NEK-BFOU/B(IC)3T1.0	3	1.0	0.77	19.60	410	610
NEK-BFOU/B(IC)4T1.0	4	1.0	0.84	21.20	484	720
NEK-BFOU/B(IC)5T1.0	5	1.0	0.92	23.30	578	860
NEK-BFOU/B(IC)6T1.0	6	1.0	1.03	26.10	692	1030
NEK-BFOU/B(IC)7T1.0	7	1.0	1.03	26.10	726	1080
NEK-BFOU/B(IC)8T1.0	8	1.0	1.09	27.70	806	1200
NEK-BFOU/B(IC)10T1.0	10	1.0	1.23	31.20	1001	1490
NEK-BFOU/B(IC)12T1.0	12	1.0	1.30	33.10	1122	1670
NEK-BFOU/B(IC)14T1.0	14	1.0	1.37	34.80	1310	1950
NEK-BFOU/B(IC)16T1.0	16	1.0	1.47	37.30	1532	2280
NEK-BFOU/B(IC)19T1.0	19	1.0	1.58	40.10	1754	2610
NEK-BFOU/B(IC)24T1.0	24	1.0	1.74	44.30	2117	3150
NEK-BFOU/B(IC)32T1.0	32	1.0	2.00	50.80	2782	4140

DATA SUBJECT TO NORMAL MANUFACTURING TOLERANCES.

LSZH CABLE



NEK 606 BFOU(IC) CABLE

250V BFOU(IC) FIRE RESISTANT, MUD RESISTANT CABLE: SHIELDED PAIRS/TRIADS

250V BFOU(IC): INDIVIDUAL & COMMON SHIELDED TRIADS

PART NO.	CONDUCTOR		NOMINAL OD		WEIGHT	
	# OF PAIRS	SIZE (MM ²)	INPHES	MM	LBS/MFT	KG/KM
NEK-BFOU/B(C)1T1.5	1	1.5	0.55	14.00	222	330
NEK-BFOU/B(IC)2T1.5	2	1.5	0.82	20.90	443	660
NEK-BFOU/B(IC)3T1.5	3	1.5	0.87	22.10	524	780
NEK-BFOU/B(IC)4T1.5	4	1.5	0.95	24.10	618	920
NEK-BFOU/B(IC)5T1.5	5	1.5	1.04	26.50	739	1100
NEK-BFOU/B(IC)6T1.5	6	1.5	1.17	29.70	894	1330
NEK-BFOU/B(IC)7T1.5	7	1.5	1.17	29.70	934	1390
NEK-BFOU/B(IC)8T1.5	8	1.5	1.25	31.70	1048	1560
NEK-BFOU/B(IC)10T1.5	10	1.5	1.45	36.90	1438	2140
NEK-BFOU/B(IC)12T1.5	12	1.5	1.53	38.90	1626	2420
NEK-BFOU/B(IC)14T1.5	14	1.5	1.59	40.50	1794	2670
NEK-BFOU/B(IC)16T1.5	16	1.5	1.69	42.80	1982	2950
NEK-BFOU/B(IC)19T1.5	19	1.5	1.84	46.60	2359	3510
NEK-BFOU/B(IC)24T1.5	24	1.5	2.02	51.40	2856	4250
NEK-BFOU/B(IC)32T1.5	32	1.5	2.33	59.20	3797	5650
NEK-BFOU/B(C)1T2.5	1	2.5	0.59	15.00	262	390
NEK-BFOU/B(IC)2T2.5	2	2.5	0.89	22.60	531	790
NEK-BFOU/B(IC)3T2.5	3	2.5	0.94	23.80	632	940
NEK-BFOU/B(IC)4T2.5	4	2.5	1.03	26.10	766	1140
NEK-BFOU/B(IC)5T2.5	5	2.5	1.13	28.80	921	1370
NEK-BFOU/B(IC)6T2.5	6	2.5	1.27	32.30	1109	1650
NEK-BFOU/B(IC)7T2.5	7	2.5	1.27	32.30	1169	1740
NEK-BFOU/B(IC)8T2.5	8	2.5	1.38	35.10	1391	2070
NEK-BFOU/B(IC)10T2.5	10	2.5	1.58	40.10	1794	2670
NEK-BFOU/B(IC)12T2.5	12	2.5	1.67	42.30	2029	3020
NEK-BFOU/B(IC)14T2.5	14	2.5	1.74	44.20	2258	3360
NEK-BFOU/B(IC)16T2.5	16	2.5	1.86	47.30	2580	3840
NEK-BFOU/B(IC)19T2.5	19	2.5	2.00	50.80	2977	4430
NEK-BFOU/B(IC)24T2.5	24	2.5	2.23	56.60	3736	5560
NEK-BFOU/B(IC)32T2.5	32	2.5	2.55	64.70	4838	7200

DATA SUBJECT TO NORMAL MANUFACTURING TOLERANCES.

LSZH CABLE