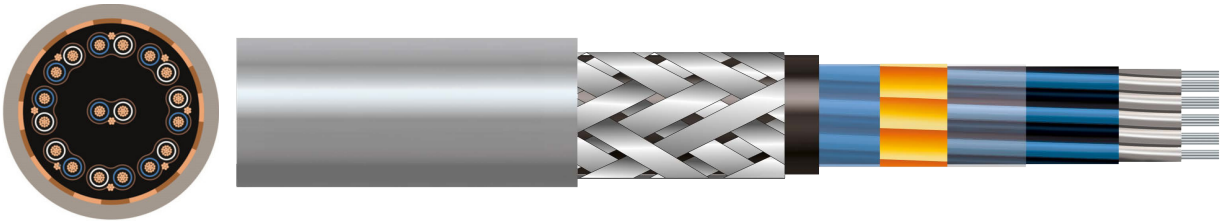
RFOU (I) INSTRUMENTATION CABLE 150/250V ZH MUD RESISTANT



NEK606 RFOU is a high-performance offshore cable engineered for rigorous applications where safety and reliability are paramount. RFOU is flame-retardant, and halogen-free, ensuring compliance with strict safety standards for fixed installations in demanding offshore environments. Engineered to withstand harsh offshore conditions, including exposure to drilling mud, moisture, and oil, it guarantees long-term durability in challenging environments.

CONDUCTOR	Tinned Copper
STRANDING	Class 2
INSULATION	EPR
INDIVIDUAL SCREEN	Individual Copper Mylar
BEDDING	LSZH
ARMOUR	Tinned Copper Wire Braid
OUTERSHEATH	SHF2
OUTERSHEATH COLOUR	Blue, Grey
RATED VOLTAGE	250V
CORE IDENTIFICATION	Pairs: black, blue Triples: black, blue, brown
OPERATING TEMPERATURE	90 deg. C
STANDARDS	NEK606, IEC60092-376, IEC60092-376, IEC60332, IEC61031-1.2 IEC60754-1, IEC60228, CSA C 22.2, EN 60079-14:2013 clause 9.3.2a
APPROVALS	

SPECIFICATION DATA

Pairs

BATT Part No Grey	BATT Part No Blue	No of Pairs	Conductor area sqmm	Conductor diameter mm	Insulation thickness mm	Under armour diameter mm	Nominal overall diameter mm	Min bending radius	Weight
67427	67458	1	0.75	1.1	0.6	8.1	12.0	48	228
67027	67785	2	0.75	1.1	0.6	11.9	16.0	64	408
67619	67880	4	0.75	1.1	0.6	13.8	18.0	72	551
67935	67424	8	0.75	1.1	0.6	17.5	22.8	91	765
67987	67978	12	0.75	1.1	0.6	20.9	26.6	107	1035
67988	67469	16	0.75	1.1	0.6	24.1	30.3	121	1374
67862	67451	24	0.75	1.1	0.6	28.8	35.4	141	1850
67824	67825	1	1.5	1.6	0.7	9.2	13.0	52	227
67827	67031	2	1.5	1.6	0.7	13.8	18.0	72	525
67816	67905	4	1.5	1.6	0.7	16.0	21.1	85	759
67428	68426	8	1.5	1.6	0.7	20.6	26.3	105	1018
67441	67320	12	1.5	1.6	0.7	25.0	31.2	125	1452
67221	67947	16	1.5	1.6	0.7	28.4	35.0	140	1846
67453	67950	24	1.5	1.6	0.7	34.4	41.7	167	2584

Triples

BATT Part No Grey	BATT Part No Blue	No of Triples	Conductor area sqmm	Conductor diamter mm	Insulation thickness mm	Under armour diameter mm	Nominal overall diameter mm	Min bending radius	Weight
67787	67362	1	0.75	1.1	0.6	8.5	12.3	49	248
-	68513	2	0.75	1.1	0.6	13.0	17.2	69	477
67002	-	4	0.75	1.1	0.6	15.1	20.2	81	684
67032	-	8	0.75	1.1	0.6	20.1	25.7	103	954
67033	-	12	0.75	1.1	0.6	23.6	29.8	119	1322
67034	-	16	0.75	1.1	0.6	27.2	33.6	134	1710
68502	67826	1	1.5	1.6	0.7	9.7	13.5	54	306
-	67975	7	1.5	1.6	0.7	22.1	27.7	111	1146
-	67439	8	1.5	1.6	0.7	23.7	29.7	119	1318

Electrical data

Contruction mm2	Conductor resistance 20DegC	Conductor resistance 90DegC	Reactance 50 Hz	Reactance 60 Hz	Capacitance max	Inductance @ 1kHz nominal	Impedance @ 50 & 60 Hz - 20Deg C	Impedance @ 50 & 60 Hz - 90Deg C	L/R ration @ 1kHz
Pair 0.75	26.3	33.5	0.106	0.127	0.144	336	26.3	33.5	12.8
Pair 1.0	19.3	24.6	0.098	0.118	0.164	312	19.3	24.3	16.2
Pair 1.5	12.9	16.5	0.099	0.118	0.162	0.314	12.9	16.5	24.4
Triple 0.75	26.0	33.5	0.106	0.127	0.144	0.336	26.3	33.5	12.8
Triple 1.0	19.3	24.6	0.098	0.118	0.164	312	19.3	24.6	16.2
Triple 1.5	12.9	16.5	0.099	0.118	0.162	314	12.9	16.5	24.3