

## BFOU (c) Instrumentation Cable, 250V, ZH, mud resistant

- Applications:** Fixed installation for power, control and lighting in both EX (Zone 0, 1 & 2)- and safe areas, emergency and critical systems where requirement for fire resistance exists and when installed with the correct ATEX Approved Accessories/Equipment . For installation in areas exposed to MUD and drilling/cleaning fluids. Meets the MUD resistance requirement in NEK TS 606:2009.
- Conductor:** Tinned stranded copper to IEC60228 class 2
- Twisting:** Two / Three insulated cores shall be twisted together to form a pair/triple
- Core Identification:** Pairs: Black & blue Triples: Black, blue & Brown
- Screen:** CCM (collective copper mylar) and a TCWB (Tinned copper wire braid)
- Insulation:** Mica tape & halogen free EPR (Ethylene Propylene Rubber)
- Sheath/Jacket:** Type: SHF2 MUD, thermoset dual compound, halogen free and mud resistant
- Colour:** Grey. Blue for intrinsically safe
- Voltage:** 150/250v
- Operating Temperature:** Maximum 90°C, Cold bend -40°C / Cold impact -35°C
- Min bending radius:** 6 x O/D
- Approvals:** ABS, DNV, Meets the UV resistance requirements of UL1581 or HD605 part 2.5.12
- Standards:** NEK606: cables for offshore installation halogen-free or mud-resistant, IEC60331: fire resistant, IEC60332: flame retardant, IEC61031-1.2: smoke density, IEC60754-1, halogen free properties, IEC60228: electrical conductor IEC 60092-376:2003: Electrical installations in ships – cables for control instrumentation circuits 150/250v (300v)



Construction mm <sup>2</sup>	Conductor diameter mm	Insulation thickness mm	Under armour diameter mm	Outer sheath thickness mm	Overall diameter mm	Weight kg/km	Min bending radius mm	BATT part no Grey	BATT part no Blue
1 x 2 x 0.75	1.1	0.6	9.1	1.3	13.0	259	52		
2 x 2 x 0.75	1.1	0.6	13.5	1.4	17.5	463	70	67017	67810
4 x 2 x 0.75	1.1	0.6	15.7	1.5	20.3	611	81	67865	-
7 x 2 x 0.75	1.1	0.6	18.8	1.6	23.9	695	96	67105	-
8 x 2 x 0.75	1.1	0.6	20.0	1.7	25.3	768	101	67770	67855
12 x 2 x 0.75	1.1	0.6	23.9	1.9	29.6	1020	118	67749	67956
16 x 2 x 0.75	1.1	0.6	27.5	2.0	33.7	1353	135	67774	-
19 x 2 x 0.75	1.1	0.6	29.6	2.1	36.1	1502	144	67271	-
24 x 2 x 0.75	1.1	0.6	33.0	2.2	39.6	1790	158	67939	-
32 x 2 x 0.75	1.1	0.6	37.5	2.4	45.1	2324	180		
1 x 3 x 0.75	1.1	0.6	9.6	1.3	13.5	281	54		
2 x 3 x 0.75	1.1	0.6	14.8	1.5	19.0	542	76	67902	
4 x 3 x 0.75	1.1	0.6	17.2	1.6	22.3	744	89		
7 x 3 x 0.75	1.1	0.6	21.5	1.7	16.9	879	107		
8 x 3 x 0.75	1.1	0.6	23.1	1.8	28.6	979	114	67003	
12 x 3 x 0.75	1.1	0.6	27.0	2.0	33.2	1337	133		
16 x 3 x 0.75	1.1	0.6	31.2	2.1	37.6	1716	150		
19 x 3 x 0.75	1.1	0.6	33.7	2.2	40.4	1941	162		
24 x 3 x 0.75	1.1	0.6	37.5	2.4	45.0	2432	180		
32 x 3 x 0.75	1.1	0.6	43.1	2.6	51.1	3100	204		

Construction mm <sup>2</sup>	Conductor diameter mm	Insulation thickness mm	Under armour diameter mm	Outer sheath thickness mm	Overall diameter mm	Weight kg/km	Min bending radius mm	BATT part no Grey	BATT part no Blue
1 x 2 x 1	1.4	0.6	9.9	1.3	13.7	291	55		
2 x 2 x 1	1.4	0.6	14.8	1.5	19.1	542	76		
4 x 2 x 1	1.4	0.6	17.3	1.5	21.9	706	88		
7 x 2 x 1	1.4	0.6	20.7	1.7	26.1	814	104		
8 x 2 x 1	1.4	0.6	22.1	1.8	27.7	900	111		
12 x 2 x 1	1.4	0.6	26.5	1.9	32.2	1185	129		
16 x 2 x 1	1.4	0.6	30.5	2.0	36.8	1575	147		
19 x 2 x 1	1.4	0.6	33.0	2.1	39.4	1748	158		
24 x 2 x 1	1.4	0.6	36.7	2.4	43.7	2145	175		
32 x 2 x 1	1.4	0.6	42.2	2.5	50.0	2827	200		
1 x 3 x 1	1.4	0.6	10.5	1.3	14.3	315	57		
2 x 3 x 1	1.4	0.6	16.3	1.5	20.9	641	84		
4 x 3 x 1	1.4	0.6	19.0	1.6	24.1	867	97	67995	
7 x 3 x 1	1.4	0.6	23.9	1.8	29.4	1039	118		
8 x 3 x 1	1.4	0.6	25.6	1.9	31.3	1159	125		
12 x 3 x 1	1.4	0.6	30.5	2.0	36.7	1615	147		
16 x 3 x 1	1.4	0.6	34.8	2.2	41.4	2064	166		
19 x 3 x 1	1.4	0.6	37.6	2.4	44.6	2336	178		
24 x 3 x 1	1.4	0.6	42.2	2.5	49.9	2967	200		
32 x 3 x 1	1.4	0.6	48.1	2.7	56.2	3688	225		
1 x 2 x 1.5	1.6	0.7	10.2	1.3	14.1	310	56		
2 x 2 x 1.5	1.6	0.7	15.4	1.5	20.0	599	80	67815	67833
4 x 2 x 1.5	1.6	0.7	17.9	1.6	22.9	810	91	67932	
7 x 2 x 1.5	1.6	0.7	21.6	1.7	26.9	904	108		
8 x 2 x 1.5	1.6	0.7	23.0	1.9	28.8	1018	115		
12 x 2 x 1.5	1.6	0.7	28.0	2.0	34.2	1440	137	67468	67467
16 x 2 x 1.5	1.6	0.7	31.8	2.2	38.4	1815	154		
19 x 2 x 1.5	1.6	0.7	34.4	2.2	41.0	2027	164		
24 x 2 x 1.5	1.6	0.7	38.6	2.5	45.9	2525	183	68447	68451
32 x 2 x 1.5	1.6	0.7	44.0	2.6	51.9	3231	208		
1 x 3 x 1.5	1.6	0.7	10.8	1.3	14.6	341	59		
2 x 3 x 1.5	1.6	0.7	16.9	1.5	21.8	722	87		
4 x 3 x 1.5	1.6	0.7	19.7	1.6	24.9	960	99		
7 x 3 x 1.5	1.6	0.7	24.8	1.8	30.4	1173	121		
8 x 3 x 1.5	1.6	0.7	26.6	1.9	32.6	1345	131		
12 x 3 x 1.5	1.6	0.7	31.7	2.2	38.4	1875	154		
16 x 3 x 1.5	1.6	0.7	36.2	2.3	43.0	2379	172		
19 x 3 x 1.5	1.6	0.7	39.1	2.4	46.2	2678	185		
24 x 3 x 1.5	1.6	0.7	43.9	2.7	52.1	3443	208		
32 x 3 x 1.5	1.6	0.7	50.1	2.8	58.5	4285	234		