

### BFOU (i) Instrumentation cable, 250V, ZH, mud resistant, S3/S7

Tinned Stranded copper conductor IEC60228 class 2, mica tape & halogen free EPR compound insulation, individually copper/polyester tape screened including tinned copper drain wire, halogen free SHFmud resistant compound bedding, tinned copper wire braid according to IEC 60092.375, SHF thermoset compound halogen free & mud resistant low temperature (-40 deg C) sheath.

NO OF PAIRS CONDUCTOR AREA SQMM	CONDUCTOR DIAMETER MM	INSULATION THICKNESS MM	DIAMETER UNDER ARMOUR MM	DIAMETER OVERALL MM	MIN BENDING RADIUS MM	WEIGHT KG/KM	BATT PART NO GREY	BATT PART NO BLUE
1 pair 0.75	1.1	0.6	9.1	13.0	52	259	67789	67783
2 pair 0.75	1.1	0.6	13.7	17.7	71	479	67754	67832
4 pair 0.75	1.1	0.6	15.9	20.5	82	655	67473	67047
8 pair 0.75	1.1	0.6	20.3	25.7	103	860	67806	67924
12 pair 0.75	1.1	0.6	24.3	30.1	120	1165	67889	
16 pair 0.75	1.1	0.6	28.1	34.3	137	1550	67842	
19 pair 0.75	1.1	0.6	30.3	36.7	147	1740		
24 pair 0.75	1.1	0.6	33.6	40.3	161	2075	67805	
1 pair 1.5	1.6	0.7	10.02	14.1	56	310	67284	67658
2 pair 1.5	1.6	0.7	15.5	20.2	81	616	67802	67808
4 pair 1.5	1.6	0.7	18.1	23.1	92	861	67790	-
8 pair 1.5	1.6	0.7	23.4	29.1	116	1117	67792	67791
12 pair 1.5	1.6	0.7	28.4	34.6	139	1593	67793	67794
16 pair 1.5	1.6	0.7	32.3	39.0	156	2030	67036	67795
19 pair 1.5	1.6	0.7	35.0	41.6	166	2261		
24 pair 1.5	1.6	0.7	39.3	46.5	186	2830	67849	
1 triple 0.75	1.1	0.6	9.6	13.5	54	281	67753	67829
2 triple 0.75	1.1	0.6	15.0	19.6	78	574	67902	
4 triple 0.75	1.1	0.6	17.4	22.5	90	795	67004	
8 triple 0.75	1.1	0.6	23.5	29.0	116	1075	67843	67183
12 triple 0.75	1.1	0.6	27.6	33.8	135	1491	67850	
16 triple 0.75	1.1	0.6	31.8	38.2	153	1933		
1 triple 1.5	1.6	0.7	10.8	14.6	59	341	67830	67831
2 triple 1.5	1.6	0.7	17.1	21.9	88	742		67212
4 triple 1.5	1.6	0.7	20.0	25.1	100	1015	67000	67714
8 triple 1.5	1.6	0.7	27.0	33.0	123	1450	67878	67475
12 triple 1.5	1.6	0.7	32.3	38.9	132	2044		
16 triple 1.5	1.6	0.7	36.7	43.6	156	2932		

Standards IEC 60092-3 & NEK606 design guidelines  
IEC 60331 fire resistance

IEC 60332-3/A flame retardance  
IEC 60754-1, 2 halogen free properties

IEC 61034-1, 2 smoke density

Applications Fixed installation for instrumentation, communication, control, alarm, emergency and critical systems in both EX and safe areas. Mud resistant in accordance with NEK606

Maximum operating conductor temperature: 90° C

Operating Voltage 250V

**Core Identification:**  
pair: black & light blue  
triple: black, light blue & brown

**Type Approvals:** ABS & DNV



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