

## 250V BFOU(I), BFOU(I/C) 0.75SQMMxPR type [S3], [S3/S7], [MR]

- Instrument circuit up to 250V, instrument safe systems.
- Fixed installation instrument, communication, control and alarm systems in both explosion risk and safe areas, emergency and critical systems.
- Maximum operating conductor temperature 90 ° C

### Construction Details

- Conductor : Circular tinned stranded copper as per IEC 60228, Class 2
- Fire proof layer : Mica/Glass tape
- Insulation : Halogen Free Ethylene Propylene Rubber
- Pair twisting
- Individual screen : Cu/PS tape with drain wire
- Cabling
- Collective screen(option) : Cu/PS tape with drain wire
- Inner covering : Halogen free thermosetting compound
- Armour : Copper wire braid
- Outer sheath : Halogen - free thermosetting compound, SHF2 or SHF

### Mud

### Standard Applied

- Design guideline : NEK 606 - 2009 & IEC 60092 - 376
- Material
- Insulation : HF - EPR as per IEC 60092 - 351
- Sheath : SHF2 as per IEC 60092 - 359
- Flame retardant : IEC 60332 - 3 - 22, Cat.A
- Fire resistant : IEC 60331( - 21/ - 31/ - 1/ - 2), 830 ° C for 120 Min.
- Halogen free properties : IEC 60754 - 1,2
- Low smoke properties : IEC 61034 - 1,2
- Mud resistant : NEK 606 - 2009
- Cold properties : CSA C22.2
- Sunlight resistance : UL 1581

### Identification of color

- Insulation
- 1Pair : Black, Light Blue
- 2Pair and above : Numbering on Black & Light Blue insulation core
- Note) Any other colors purchaser required
- Outer sheath : Grey
- Note) Any other colors purchaser required

### Type approval

- ABS, BV, DNV, LR



IEC 60092 - 351;  
IEC 60092 - 353; IEC 60092 - 359;  
IEC 60092 - 375; IEC 60092 - 376;  
IEC 60331; IEC 60332 - 3 Cat.A;  
IEC 60754 - 1; IEC 61034;  
IEC 61034 - 2

NEK 606



U<sub>o</sub>/U (U<sub>m</sub>)  
150 / 250 (300) V

## 250V BFOU(I), BFOU(I/C) 0.75SQMMxPR type [S3], [S3/S7], [MR]

0.6 mm

Uo/U (Um)

150 / 250 (300) V

### Product list

nb pairs	[mm <sup>2</sup> ]	Inner sheath thick [mm]	Diam. over inner sheath [mm]	Diam. over armour [mm]	[mm]	Nom. outer diam. [mm]	( [kg/km] )
1	0.75	1.0	7.9	9.3	1.2	12.1	230
2	0.75	1.0	12.3	13.7	1.3	16.7	495
3	0.75	1.0	12.9	14.3	1.4	17.5	540
4	0.75	1.0	14	15.4	1.4	18.6	610
5	0.75	1.0	15.4	16.8	1.5	20.2	705
6	0.75	1.0	16.9	18.3	1.5	21.7	805
7	0.75	1.0	16.9	18.3	1.5	21.7	830
8	0.75	1.0	18.6	20.0	1.6	23.6	905
9	0.75	1.0	19.9	21.3	1.7	25.1	1030
10	0.75	1.0	21	22.4	1.7	26.2	1000
12	0.75	1.0	21.6	23.0	1.7	26.8	1090
14	0.75	1.0	22.8	24.2	1.8	28.2	1205
15	0.75	1.0	24.6	26.0	1.8	30.0	1305
16	0.75	1.0	25	26.4	1.9	30.6	1370
18	0.75	1.0	26.5	27.9	1.9	32.1	1475
19	0.75	1.2	27.1	28.5	1.9	32.7	1555
20	0.75	1.2	28.3	29.7	2.0	34.1	1700
21	0.75	1.2	29.2	30.6	2.0	35.0	1765
23	0.75	1.2	29.7	31.1	2.0	35.5	1895
24	0.75	1.2	31.3	33.1	2.1	37.7	1995
27	0.75	1.2	32.1	33.9	2.2	38.7	2165
30	0.75	1.2	33.3	35.1	2.2	39.9	2335
33	0.75	1.2	34.7	36.5	2.3	41.5	2535
37	0.75	1.2	35.9	37.7	2.3	42.7	2725