

250V BFOU(I), BFOU(I/C) 0.75SQMMxTR 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
- Triad 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
- 1Triad : Black, Light Blue, Brown
- 2Triad and above : Numbering on Black & Light Blue & Brown

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



Uo/U (Um)
150 / 250 (300) V

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0.6 mm

Uo/U (Um)

150 / 250 (300) V

Product list

nb triples	[mm ²]	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	8.4	9.8	1.2	12.6	260
2	0.75	1.0	13.5	14.9	1.4	18.1	580
3	0.75	1.0	14.1	15.5	1.4	18.7	630
4	0.75	1.0	15.3	16.7	1.5	20.1	730
5	0.75	1.0	16.9	18.3	1.5	21.7	840
6	0.75	1.0	19.1	20.5	1.6	24.1	990
7	0.75	1.0	19.1	20.5	1.6	24.1	1030
8	0.75	1.0	20.6	22.0	1.7	25.8	1115
9	0.75	1.0	22.2	23.6	1.7	27.4	1260
10	0.75	1.0	24	25.4	1.8	29.4	1255
12	0.75	1.0	24.9	26.3	1.9	30.5	1400
14	0.75	1.0	26.2	27.6	1.9	31.8	1540
15	0.75	1.2	27.4	28.8	2.0	33.2	1680
16	0.75	1.2	28.3	29.7	2.0	34.1	1760
18	0.75	1.2	29.9	31.3	2.1	35.9	1920
19	0.75	1.2	30.2	32.0	2.1	36.6	2070
20	0.75	1.2	31.1	32.9	2.1	37.5	2225
21	0.75	1.2	31.8	33.6	2.1	38.2	2305
23	0.75	1.2	33.2	35.0	2.2	39.8	2520
24	0.75	1.2	33.9	35.7	2.2	40.5	2495
27	0.75	1.2	35.8	37.6	2.3	42.6	2750
30	0.75	1.4	37.9	39.7	2.4	44.9	3050
32	0.75	1.4	39.1	40.9	2.4	46.1	3210