

250V BFOU(C) 0.75SQMMxPR type [S4], [S4/S8]

- 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
- Cabling
- Collective screen : 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

0.6 mm

Uo/U (Um)

150 / 250 (300) V



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

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Product list

nb pairs	[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	7.9	9.3	1.2	12.1	230
2	0.75	1.0	12	13.4	1.3	16.4	460
3	0.75	1.0	12.6	14.0	1.4	17.2	495
4	0.75	1.0	13.6	15.0	1.4	18.2	555
5	0.75	1.0	15	16.4	1.5	19.8	640
6	0.75	1.0	16.4	17.8	1.5	21.2	725
7	0.75	1.0	16.4	17.8	1.5	21.2	740
8	0.75	1.0	18.1	19.5	1.6	23.1	805
9	0.75	1.0	19.3	20.7	1.6	24.3	900
10	0.75	1.0	20.4	21.8	1.7	25.6	880
12	0.75	1.0	21	22.4	1.7	26.2	955
14	0.75	1.0	22.1	23.5	1.7	27.3	1035
15	0.75	1.0	23.8	25.2	1.8	29.2	1130
16	0.75	1.0	24.3	25.7	1.8	29.7	1175
18	0.75	1.0	25.7	27.1	1.9	31.3	1275
19	0.75	1.0	26	27.4	1.9	31.6	1315
20	0.75	1.2	27.5	28.9	2.0	33.3	1475
21	0.75	1.2	28.3	29.7	2.0	34.1	1530
23	0.75	1.2	28.8	30.2	2.0	34.6	1635
24	0.75	1.2	30.4	32.2	2.1	36.8	1730
27	0.75	1.2	31.1	32.9	2.1	37.5	1850
30	0.75	1.2	32.3	34.1	2.2	38.9	2005
33	0.75	1.2	33.7	35.5	2.2	40.3	2155
37	0.75	1.2	34.9	36.7	2.3	41.7	2325



U_o/U (U_m)
150 / 250 (300) V