

250V BFOU(C) 0.75SQMMxTR 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
- Triad 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

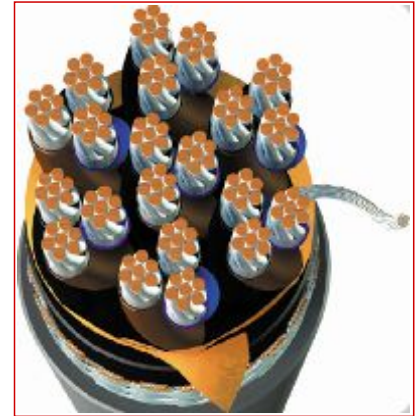
- Design guideline : NEK 606 - 2009 & IEC 60092 - 376
- Material
- Insulation : HF - EPR as per IEC 60092 - 351
- Sheath : SHF2 as per IEC 60092 - 359
- Flame retardant : IEC 60332 - 3 - 22, Cat.A
- Fire resistant : IEC 60331(- 21/ - 31/ - 1/ - 2), 830 ° C for 120 Min.
- Halogen free properties : IEC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

0.6 mm

Uo/U (Um)

150 / 250 (300) V



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

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

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	255
2	0.75	1.0	13.1	14.5	1.4	17.7	545
3	0.75	1.0	13.7	15.1	1.4	18.3	585
4	0.75	1.0	14.9	16.3	1.5	19.7	670
5	0.75	1.0	16.4	17.8	1.5	21.2	770
6	0.75	1.0	18.5	19.9	1.6	23.5	900
7	0.75	1.0	18.5	19.9	1.6	23.5	935
8	0.75	1.0	20	21.4	1.7	25.2	1015
9	0.75	1.0	21.5	22.9	1.7	26.7	1140
10	0.75	1.0	23.3	24.7	1.8	28.7	1135
12	0.75	1.0	24.2	25.6	1.8	29.6	1245
14	0.75	1.0	25.4	26.8	1.9	31.0	1375
15	0.75	1.0	26.3	27.7	1.9	31.9	1455
16	0.75	1.2	27.5	28.9	2.0	33.3	1570
18	0.75	1.2	29	30.4	2.0	34.8	1690
19	0.75	1.2	29.3	30.7	2.0	35.1	1750
20	0.75	1.2	30.2	32.0	2.1	36.6	1985
21	0.75	1.2	30.9	32.7	2.1	37.3	2055
23	0.75	1.2	32.2	34.0	2.2	38.8	2245
24	0.75	1.2	32.9	34.7	2.2	39.5	2215
27	0.75	1.2	34.7	36.5	2.3	41.5	2435
30	0.75	1.2	36.5	38.3	2.3	43.3	2645
32	0.75	1.4	37.9	39.7	2.4	44.9	2840



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