

250V RFOU(I), RFOU(I/C) 0.75SQMMxTR type [S1], [S1/S5], [MR]

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

Construction Details

- Conductor : Circular tinned stranded copper as per IEC 60228, Class 2
- 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
- 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 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 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	7.5	8.9	1.2	11.7	230
2	0.75	1.0	12	13.4	1.3	16.4	490
3	0.75	1.0	12.5	13.9	1.4	17.1	540
4	0.75	1.0	13.6	15.0	1.4	18.2	620
5	0.75	1.0	15	16.4	1.5	19.8	720
6	0.75	1.0	16.9	18.3	1.5	21.7	835
7	0.75	1.0	16.9	18.3	1.5	21.7	870
8	0.75	1.0	18.2	19.6	1.6	23.2	950
9	0.75	1.0	19.6	21.0	1.6	24.6	1065
10	0.75	1.0	21.2	22.6	1.7	26.4	1075
12	0.75	1.0	22	23.4	1.7	27.2	1190
14	0.75	1.0	23.1	24.5	1.8	28.5	1320
15	0.75	1.0	23.9	25.3	1.8	29.3	1395
16	0.75	1.0	24.7	26.1	1.8	30.1	1465
18	0.75	1.0	26	27.4	1.9	31.6	1600
19	0.75	1.0	26.3	27.7	1.9	31.9	1655
20	0.75	1.2	27.4	28.8	2.0	33.2	1820
21	0.75	1.2	28	29.4	2.0	33.8	1890
23	0.75	1.2	29.3	30.7	2.0	35.1	2050
24	0.75	1.2	29.8	31.2	2.0	35.6	2035
27	0,75	1,2	31,5	33,3	2,1	37,9	2335
30	0,75	1,2	33,1	34,9	2,2	39,7	2555
32	0,75	1,2	34,1	35,9	2,2	40,7	2690