

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

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	7.1	8.5	1.1	11.1	205
2	0.75	1.0	11	12.4	1.3	15.4	430
3	0.75	1.0	11.5	12.9	1.3	15.9	460
4	0.75	1.0	12.4	13.8	1.4	17.0	525
5	0.75	1.0	13.7	15.1	1.4	18.3	600
6	0.75	1.0	15	16.4	1.5	19.8	695
7	0.75	1.0	15	16.4	1.5	19.8	715
8	0.75	1.0	16.5	17.9	1.5	21.3	775
9	0.75	1.0	17.6	19.0	1.6	22.6	875
10	0.75	1.0	18.5	19.9	1.6	23.5	855
12	0.75	1.0	19.1	20.5	1.6	24.1	940
14	0.75	1.0	20.1	21.5	1.7	25.3	1040
15	0.75	1.0	21.7	23.1	1.7	26.9	1120
16	0.75	1.0	22.1	23.5	1.7	27.3	1165
18	0.75	1.0	23.3	24.7	1.8	28.7	1270
19	0.75	1.0	23.6	25.0	1.8	29.0	1315
20	0.75	1.0	24.7	26.1	1.8	30.1	1420
21	0.75	1.0	25.4	26.8	1.9	31.0	1490
23	0.75	1.0	25.9	27.3	1.9	31.5	1595
24	0.75	1.2	27.6	29.0	2.0	33.4	1645
27	0.75	1.2	28.2	29.6	2.0	34.0	1770
30	0.75	1.2	29.3	30.7	2.0	35.1	1910
33	0.75	1.2	30.5	32.3	2.1	36.9	2160
37	0.75	1.2	31.6	33.4	2.1	38.0	2330