

250V RFOU(C) 0.75SQMMxPR type [S2], [S2/S6]

- 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
- 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
- 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



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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	7.1	8.5	1.1	11.1	200
2	0.75	1.0	10.6	12.0	1.3	15.0	395
3	0.75	1.0	11.2	12.6	1.3	15.6	420
4	0.75	1.0	12	13.4	1.3	16.4	470
5	0.75	1.0	13.2	14.6	1.4	17.8	540
6	0.75	1.0	14.5	15.9	1.4	19.1	610
7	0.75	1.0	14.5	15.9	1.4	19.1	625
8	0.75	1.0	15.9	17.3	1.5	20.7	680
9	0.75	1.0	17	18.4	1.5	21.8	760
10	0.75	1.0	17.9	19.3	1.6	22.9	745
12	0.75	1.0	18.4	19.8	1.6	23.4	805
14	0.75	1.0	19.5	20.9	1.6	24.5	875
15	0.75	1.0	20.9	22.3	1.7	26.1	960
16	0.75	1.0	21.3	22.7	1.7	26.5	1000
18	0.75	1.0	22.5	23.9	1.8	27.9	1080
19	0.75	1.0	22.8	24.2	1.8	28.2	1115
20	0.75	1.0	23.8	25.2	1.8	29.2	1210
21	0.75	1.0	24.6	26.0	1.8	30.0	1255
23	0.75	1.0	25	26.4	1.9	30.6	1355
24	0.75	1.0	26.3	27.7	1.9	31.9	1350
27	0.75	1.2	27.3	28.7	1.9	32.9	1480
30	0.75	1.2	28.3	29.7	2.0	34.1	1605
33	0.75	1.2	29.5	30.9	2.0	35.3	1725
37	0.75	1.2	30.5	32.3	2.1	36.9	1950