

250V RFOU(C) 1.0, 1.5, 2.5SQMMxPR 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

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]	[mm]	Inner sheath thick [mm]	Diam. over inner sheath [mm]	Diam. over armour [mm]	[mm]	Nom. outer diam. [mm]	([kg/km])
1	1	0.6	1.0	7.5	8.9	1.2	11.7	225
1	1.5	0.7	1.0	8.5	9.9	1.2	12.7	260
1	2.5	0.7	1.0	9.3	10.7	1.2	13.5	300
2	1	0.6	1.0	11.3	12.7	1.3	15.7	440
2	1.5	0.7	1.0	13	14.4	1.4	17.6	545
2	2.5	0.7	1.0	14.3	15.7	1.4	18.9	650
3	1	0.6	1.0	11.9	13.3	1.3	16.3	470
3	1.5	0.7	1.0	13.7	15.1	1.4	18.3	585
3	2.5	0.7	1.0	15.1	16.5	1.5	19.9	720
4	1	0.6	1.0	12.8	14.2	1.4	17.4	535
4	1.5	0.7	1.0	14.7	16.1	1.4	19.3	660
4	2.5	0.7	1.0	16.3	17.7	1.5	21.1	820
5	1	0.6	1.0	14.1	15.5	1.4	18.7	610
5	1.5	0.7	1.0	16.3	17.7	1.5	21.1	770
5	2.5	0.7	1.0	18	19.4	1.6	23.0	965
6	1	0.6	1.0	15.4	16.8	1.5	20.2	700
6	1.5	0.7	1.0	17.8	19.2	1.6	22.8	890
6	2.5	0.7	1.0	19.8	21.2	1.6	24.8	1105
7	1	0.6	1.0	15.4	16.8	1.5	20.2	720
7	1.5	0.7	1.0	17.8	19.2	1.6	22.8	925
7	2.5	0.7	1.0	19.8	21.2	1.6	24.8	1150
8	1	0.6	1.0	17	18.4	1.5	21.8	775
8	1.5	0.7	1.0	19.7	21.1	1.6	24.7	995
8	2.5	0.7	1.0	21.8	23.2	1.7	27.0	1255
9	1	0.6	1.0	18.2	19.6	1.6	23.2	880
9	1.5	0.7	1.0	21.1	22.5	1.7	26.3	1130
9	2.5	0.7	1.0	23.4	24.8	1.8	28.8	1430
10	1	0.6	1.0	19.1	20.5	1.6	24.1	850
10	1.5	0.7	1.0	22.2	23.6	1.7	27.4	1095
10	2.5	0.7	1.0	24.6	26.0	1.8	30.0	1385
12	1	0.6	1.0	19.7	21.1	1.6	24.7	930
12	1.5	0.7	1.0	22.9	24.3	1.8	28.3	1210
12	2.5	0.7	1.0	25.4	26.8	1.9	31.0	1545
14	1	0.6	1.0	20.8	22.2	1.7	26.0	1030
14	1.5	0.7	1.0	24.1	25.5	1.8	29.5	1325
14	2.5	0.7	1.2	27.1	28.5	1.9	32.7	1730
15	1	0.6	1.0	22.4	23.8	1.8	27.8	1125
15	1.5	0.7	1.0	26	27.4	1.9	31.6	1445
15	2.5	0.7	1.2	29.2	30.6	2.0	35.0	1885
16	1	0.6	1.0	22.8	24.2	1.8	28.2	1170
16	1.5	0.7	1.0	26.5	27.9	1.9	32.1	1510
16	2.5	0.7	1.2	29.8	31.2	2.0	35.6	1970
18	1	0.6	1.0	24.1	25.5	1.8	29.5	1255
18	1.5	0.7	1.2	28.4	29.8	2.0	34.2	1670
18	2.5	0.7	1.2	31.5	33.3	2.1	37.9	2235
19	1	0.6	1.0	24.4	25.8	1.8	29.8	1295

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nb pairs	[mm ²]	[mm]	Inner sheath thick [mm]	Diam. over inner sheath [mm]	Diam. over armour [mm]	[mm]	Nom. outer diam. [mm]	([kg/km])
19	1.5	0.7	1.2	28.7	30.1	2.0	34.5	1725
19	2.5	0.7	1.2	31.9	33.7	2.1	38.3	2315
20	1	0.6	1.0	25.5	26.9	1.9	31.1	1420
20	1.5	0.7	1.2	30	31.4	2.1	36.0	1895
20	2.5	0.7	1.2	33.3	35.1	2.2	39.9	2530
21	1	0.6	1.0	26.3	27.7	1.9	31.9	1475
21	1.5	0.7	1.2	30.9	32.7	2.1	37.3	2050
21	2.5	0.7	1.2	34.4	36.2	2.2	41.0	2630
23	1	0.6	1.2	27.1	28.5	1.9	32.7	1610
23	1.5	0.7	1.2	31.5	33.3	2.1	37.9	2200
23	2.5	0.7	1.2	35	36.8	2.3	41.8	2850
24	1	0.6	1.2	28.5	29.9	2.0	34.3	1620
24	1.5	0.7	1.2	33.2	35.0	2.2	39.8	2215
24	2.5	0.7	1.2	36.9	38.7	2.3	43.7	2850
27	1	0.6	1.2	29.2	30.6	2.0	35.0	1745
27	1.5	0.7	1.2	34	35.8	2.2	40.6	2390
27	2.5	0.7	1.4	38.1	39.9	2.4	45.1	3150
30	1	0.6	1.2	30.3	32.1	2.1	36.7	1980
30	1.5	0.7	1.2	35.3	37.1	2.3	42.1	2600
30	2.5	0.7	1.4	39.6	41.4	2.5	46.8	3435
33	1	0.6	1.2	31.6	33.4	2.1	38.0	2130
33	1.5	0.7	1.2	36.8	38.6	2.3	43.6	2805
33	2.5	0.7	1.4	41.3	43.1	2.5	48.5	3715
37	1	0.6	1.2	32.7	34.5	2.2	39.3	2305
37	1.5	0.7	1.4	38.4	40.2	2.4	45.4	3080
37	2.5	0.7	1.4	42.8	44.6	2.6	50.2	4040