

250V RFOU(C) 1.0, 1.5, 2.5SQMMxTR 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
- 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
- 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

Uo/U (Um)

150 / 250 (300) V



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

250V RFOU(C) 1.0, 1.5, 2.5SQMMxTR type [S2], [S2/S6]

Product list

nb triples	[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	7.9	9.3	1.2	12.1	250
1	1.5	0.7	1.0	9	10.4	1.2	13.2	295
1	2.5	0.7	1.0	9.9	11.3	1.3	14.3	360
2	1	0.6	1.0	12.4	13.8	1.4	17.0	520
2	1.5	0.7	1.0	14.2	15.6	1.4	18.8	640
2	2.5	0.7	1.0	15.7	17.1	1.5	20.5	785
3	1	0.6	1.0	12.9	14.3	1.4	17.5	560
3	1.5	0.7	1.0	14.9	16.3	1.5	19.7	710
3	2.5	0.7	1.0	16.4	17.8	1.5	21.2	875
4	1	0.6	1.0	14	15.4	1.4	18.6	640
4	1.5	0.7	1.0	16.2	17.6	1.5	21.0	820
4	2.5	0.7	1.0	17.9	19.3	1.6	22.9	1035
5	1	0.6	1.0	15.4	16.8	1.5	20.2	745
5	1.5	0.7	1.0	17.8	19.2	1.6	22.8	960
5	2.5	0.7	1.0	19.8	21.2	1.6	24.8	1205
6	1	0.6	1.0	17.4	18.8	1.6	22.4	875
6	1.5	0.7	1.0	20.2	21.6	1.7	25.4	1130
6	2.5	0.7	1.0	22.4	23.8	1.8	27.8	1430
7	1	0.6	1.0	17.4	18.8	1.6	22.4	905
7	1.5	0.7	1.0	20.2	21.6	1.7	25.4	1180
7	2.5	0.7	1.0	22.4	23.8	1.8	27.8	1505
8	1	0.6	1.0	18.8	20.2	1.6	23.8	980
8	1.5	0.7	1.0	21.8	23.2	1.7	27.0	1270
8	2.5	0.7	1.0	24.2	25.6	1.8	29.6	1625
9	1	0.6	1.0	20.2	21.6	1.7	25.4	1110
9	1.5	0.7	1.0	23.5	24.9	1.8	28.9	1445
9	2.5	0.7	1.0	26.1	27.5	1.9	31.7	1855
10	1	0.6	1.0	21.9	23.3	1.7	27.1	1110
10	1.5	0.7	1.0	25.5	26.9	1.9	31.1	1450
10	2.5	0.7	1.2	28.6	30.0	2.0	34.4	1890
12	1	0.6	1.0	22.7	24.1	1.8	28.1	1235
12	1.5	0.7	1.0	26.4	27.8	1.9	32.0	1605
12	2.5	0.7	1.2	29.7	31.1	2.0	35.5	2110
14	1	0.6	1.0	23.8	25.2	1.8	29.2	1355
14	1.5	0.7	1.2	28	29.4	2.0	33.8	1815
14	2.5	0.7	1.2	31.2	33.0	2.1	37.6	2445
15	1	0.6	1.0	24.7	26.1	1.8	30.1	1440
15	1.5	0.7	1.2	29	30.4	2.0	34.8	1930
15	2.5	0.7	1.2	32.3	34.1	2.2	38.9	2620
16	1	0.6	1.0	25.5	26.9	1.9	31.1	1525
16	1.5	0.7	1.2	30	31.4	2.1	36.0	2045
16	2.5	0.7	1.2	33.4	35.2	2.2	40.0	2755
18	1	0.6	1.2	27.2	28.6	1.9	32.8	1675
18	1.5	0.7	1.2	31.7	33.5	2.1	38.1	2305
18	2.5	0.7	1.2	35.2	37.0	2.3	42.0	3010
19	1	0.6	1.2	27.5	28.9	2.0	33.3	1750

250V RFOU(C) 1.0, 1.5, 2.5SQMMxTR type [S2], [S2/S6]

nb triples	[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	32	33.8	2.2	38.6	2405
19	2.5	0.7	1.2	35.6	37.4	2.3	42.4	3125
20	1	0.6	1.2	28.3	29.7	2.0	34.1	1880
20	1.5	0.7	1.2	33	34.8	2.2	39.6	2580
20	2.5	0.7	1.2	36.7	38.5	2.3	43.5	3360
21	1	0.6	1.2	29	30.4	2.0	34.8	1950
21	1.5	0.7	1.2	33.8	35.6	2.2	40.4	2680
21	2.5	0.7	1.4	37.9	39.7	2.4	44.9	3555
23	1	0.6	1.2	30.2	32.0	2.1	36.6	2215
23	1.5	0.7	1.2	35.2	37.0	2.3	42.0	2925
23	2.5	0.7	1.4	39.5	41.3	2.5	46.7	3885
24	1	0.6	1.2	30.9	32.7	2.1	37.3	2200
24	1.5	0.7	1.2	36	37.8	2.3	42.8	2905
24	2.5	0.7	1.4	40.3	42.1	2.5	47.5	3870
27	1	0.6	1.2	32.6	34.4	2.2	39.2	2425
27	1.5	0.7	1.4	38.3	40.1	2.4	45.3	3250
27	2.5	0.7	1.4	42.6	44.4	2.6	50.0	4280
30	1	0.6	1.2	34.2	36.0	2.2	40.8	2630
30	1.5	0.7	1.4	40.2	42.0	2.5	47.4	3555
30	2.5	0.7	1.4	44.7	46.5	2.7	52.3	4695
32	1	0.6	1.2	35.3	37.1	2.3	42.1	2790
32	1.5	0.7	1.4	41.4	43.2	2.5	48.6	3745
32	2.5	0.7	1.4	46.2	48.0	2.7	53.8	4960