



RFOU TYPE P1/P8 0,6/1 kV

Halogen Free, Flame Retardant, Low Smoke,
Mud Resistant

Application

Fixed installation for power, control and lighting in both explosion and safe areas, emergency and critical systems.

For installations in areas exposed to mud and drilling or cleaning fluids.

Applicable standards

NEK 606:2004

IEC 60092-353 : Design

IEC 60332-3-22 Cat A : Flame Retardant

IEC 60754-1&2 : Halogen Free Properties

IEC 61034-1&2 : Low Smoke Properties

Construction	Code Letter	Construction Details
Conductor		Tinned annealed stranded circular copper, IEC 60228 class 2
Insulation	R	Ethylene Propylene Rubber (EPR)
Inner covering	F	Flame retardant and halogen-free compound
Armour	O	Tinned annealed copper wire braid
Outer sheath	U	Flame retardant, halogen-free and mud resistant thermoset compound, SHF MUD
Color		Black

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No. of Cores & Conductor Cross Section	Max. Conductor Resistance	Nominal Cable Weight	Nominal Cable Inner Diameter	Nominal Cable Diameter	Maximum Current Carrying Capacity
No. x mm ²	(Ω/km)	(kg/km)	(mm)	(mm)	(A)
1 x 1,5	12.2	140	5.7	8.7	23
1 x 2,5	7.56	160	6.1	9.2	32
1 x 4	4.70	170	6.7	9.8	40
1 x 6	3.11	220	7.2	10.4	52
1 x 10	1.84	280	8.2	11.4	72
1 x 16	1.16	360	9.1	12.5	96
1 x 25	0.734	480	10.9	14.8	127
1 x 35	0.529	630	12.1	16.0	157
1 x 50	0.391	840	13.5	17.6	196
1 x 70	0.270	1070	15.3	19.6	242
1 x 95	0.195	1300	17.5	21.9	293
1 x 120	0.154	1700	19.3	23.9	339
1 x 150	0.126	2020	21.2	25.9	389
1 x 185	0.100	2350	23.4	28.3	444
1 x 240	0.0762	2920	26.0	31.1	522
1 x 300	0.0607	3750	29.1	34.4	601
2 x 1,5	12.2	250	9.3	12.6	20
2 x 2,5	7.56	330	10.2	14.0	27
2 x 4	4.70	400	11.3	15.2	34
2 x 6	3.11	470	12.3	16.3	44
2 x 10	1.84	630	14.2	18.4	61
2 x 16	1.16	820	16.2	20.5	82
2 x 25	0.734	1200	19.7	24.3	108
2 x 35	0.529	1500	22.0	26.8	133
2 x 50	0.391	1840	24.9	29.9	167
3 x 1,5	12.2	280	9.9	13.2	16
3 x 2,5	7.56	380	10.8	14.7	22
3 x 4	4.70	460	12.0	16.0	28
3 x 6	3.11	550	13.1	17.2	36
3 x 10	1.84	750	15.2	19.4	50
3 x 16	1.16	1000	17.3	21.7	67
3 x 25	0.734	1490	21.2	25.9	89
3 x 35	0.529	1870	23.6	28.5	110
3 x 50	0.391	1430	26.7	31.8	137
3 x 70	0.270	3320	31.1	37.0	169
3 x 95	0.195	4340	35.6	41.9	205
3 x 120	0.154	5490	40.1	46.7	237
3 x 150	0.126	6630	44.2	51.2	273
3 x 185	0.100	8080	49.3	56.7	311
3 x 240	0.0762	10130	54.9	62.8	366
4 x 1,5	12.2	360	10.8	14.7	16
4 x 2,5	7.56	440	11.9	15.8	21
4 x 4	4.70	550	13.2	17.3	28
4 x 6	3.11	660	14.4	18.6	36
4 x 10	1.84	910	16.7	21.1	50
4 x 16	1.16	1230	19.1	23.7	67
4 x 25	0.734	1840	23.5	28.3	89
4 x 35	0.529	1230	26.2	31.3	110
4 x 50	0.391	3090	30.0	35.9	137
4 x 70	0.270	4330	34.5	40.7	169
4 x 95	0.195	5810	40.0	46.7	205
4 x 120	0.154	7030	44.5	51.5	237
4 x 150	0.126	8610	49.5	57.0	273
4 x 185	0.100	10570	54.8	62.6	311
5 x 1,5	12.2	420	11.8	15.8	13
5 x 2,5	7.56	510	13.0	17.1	18
5 x 4	4.70	640	14.5	18.6	23
5 x 6	3.11	810	15.9	20.1	29
5 x 10	1.84	1110	18.4	22.9	40
5 x 16	1.16	1470	21.1	25.8	54
5 x 25	0.734	2240	25.9	31.0	71
5 x 35	0.529	2820	29.4	34.7	88
5 x 50	0.391	3980	33.2	39.3	110
5 x 70	0.270	5270	38.6	45.2	135
5 x 95	0.195	7570	44.3	51.3	164
7 x 1,5	12.2	490	12.9	16.9	11
7 x 2,5	7.56	610	14.2	18.4	16
10 x 1,5	12.2	680	15.8	20.0	11
10 x 2,5	7.56	940	17.5	21.9	16
12 x 1,5	12.2	780	17.0	21.4	11
12 x 2,5	7.56	980	18.9	23.4	16
14 x 1,5	12.2	930	17.9	22.4	11
14 x 2,5	7.56	1090	19.9	24.5	16
19 x 1,5	12.2	1050	20.1	24.7	11
19 x 2,5	7.56	1420	22.3	27.1	16
24 x 1,5	12.2	1310	22.6	27.4	11
24 x 2,5	7.56	1830	25.1	30.2	16
27 x 1,5	12.2	1570	24.2	29.1	10
27 x 2,5	7.56	1990	27.0	32.1	13
27 x 1,5	12.2	1820	27.6	32.9	10
27 x 2,5	7.56	2600	30.8	36.7	13

* Conductor Temperature 90 °C, Ambient Temperature 45°C