



RFCU 0,6/1 kV

Halogen Free, Flame Retardant, Low Smoke,
(optional Mud Resistant)

Application

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

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		Plain or tinned annealed stranded circular copper, IEC 60228, class 2 or class 5
Insulation	R	Hard grade Ethylene Propylene Rubber (HEPR)
Inner covering	F	Flame retardant and halogen-free compound
Armour	C	Galvanised steel wire braid
Outer sheath	U	Flame retardant, halogen-free thermoset compound, SHF2 (Optional SHF MUD)
Color		Black

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	120	5.0	8.1	23
1 x 2,5	7.56	140	5.4	8.6	32
1 x 4	4.70	150	6.0	9.2	40
1 x 6	3.11	200	6.5	9.7	52
1 x 10	1.84	260	7.5	10.7	72
1 x 16	1.16	320	8.4	11.8	96
1 x 25	0.734	440	10.2	13.7	127
1 x 35	0.529	610	11.3	15.4	157
1 x 50	0.391	820	12.6	16.7	196
1 x 70	0.270	1050	14.6	18.9	242
1 x 95	0.195	1280	16.3	20.8	293
1 x 120	0.154	1650	18.4	23.0	339
1 x 150	0.126	1990	20.3	25.1	389
1 x 185	0.100	2320	22.5	27.4	444
1 x 240	0.0762	2890	24.9	30.0	522
1 x 300	0.0607	3700	27.8	33.1	601
2 x 1,5	12.2	230	8.0	11.3	20
2 x 2,5	7.56	300	8.9	12.3	27
2 x 4	4.70	380	10.0	13.5	34
2 x 6	3.11	460	11.0	15.0	44
2 x 10	1.84	610	12.9	17.1	61
2 x 16	1.16	810	14.9	19.2	82
2 x 25	0.734	1180	18.4	23.0	108
2 x 35	0.529	1450	20.7	25.5	133
2 x 50	0.391	1800	23.2	28.1	167
3 x 1,5	12.2	260	8.5	11.8	16
3 x 2,5	7.56	360	9.4	12.9	22
3 x 4	4.70	420	10.6	14.6	28
3 x 6	3.11	520	11.7	15.8	36
3 x 10	1.84	720	13.8	18.0	50
3 x 16	1.16	980	15.9	20.3	67
3 x 25	0.734	1440	19.8	24.5	89
3 x 35	0.529	1810	22.2	27.1	110
3 x 50	0.391	1390	24.8	30.0	137
3 x 70	0.270	3280	29.7	35.2	169
3 x 95	0.195	4290	33.4	39.6	205
3 x 120	0.154	5410	37.8	44.4	237
3 x 150	0.126	6590	42.3	49.3	273
3 x 185	0.100	8010	47.0	54.4	311
3 x 240	0.0762	10010	52.6	60.4	366
4 x 1,5	12.2	330	9.2	12.7	16
4 x 2,5	7.56	420	10.3	13.8	21
4 x 4	4.70	530	11.6	15.7	28
4 x 6	3.11	640	12.9	17.0	36
4 x 10	1.84	860	15.2	19.5	50
4 x 16	1.16	1190	17.6	22.1	67
4 x 25	0.734	1780	21.9	26.8	89
4 x 35	0.529	1190	24.6	29.7	110
4 x 50	0.391	3010	27.6	32.9	137
4 x 70	0.270	4280	33.0	39.2	169
4 x 95	0.195	5760	37.1	43.6	205
4 x 120	0.154	6890	42.5	49.4	237
4 x 150	0.126	8510	47.1	54.4	273
4 x 185	0.100	10200	52.8	60.5	311
5 x 1,5	12.2	410	10.1	13.6	13
5 x 2,5	7.56	480	11.3	15.3	18
5 x 4	4.70	620	12.7	16.9	23
5 x 6	3.11	750	14.1	18.4	29
5 x 10	1.84	1010	16.7	21.2	40
5 x 16	1.16	1380	19.4	24.1	54
5 x 25	0.734	2199	24.2	29.3	71
5 x 35	0.529	2740	27.2	32.5	88
5 x 50	0.391	3840	31.0	36.6	110
5 x 70	0.270	5180	36.5	42.5	135
5 x 95	0.195	7410	41.5	48.0	164
7 x 1,5	12.2	450	11.0	15.0	11
7 x 2,5	7.56	560	12.3	16.4	16
10 x 1,5	12.2	610	13.4	17.6	11
10 x 2,5	7.56	890	15.1	19.4	16
12 x 1,5	12.2	720	14.4	18.7	11
12 x 2,5	7.56	940	16.3	20.7	16
14 x 1,5	12.2	840	15.2	19.5	11
14 x 2,5	7.56	990	17.2	21.7	16
19 x 1,5	12.2	940	17.0	21.4	11
19 x 2,5	7.56	1340	19.2	23.9	16
24 x 1,5	12.2	1250	19.0	23.7	11
24 x 2,5	7.56	1710	21.6	26.5	16
27 x 1,5	12.2	1490	20.4	25.1	10
27 x 2,5	7.56	1810	23.2	28.1	13
37 x 1,5	12.2	1760	22.9	27.9	10
37 x 2,5	7.56	2490	26.1	31.3	13

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