



### RFOU (NEK 606 P1) HALOGEN FREE, LOW SMOKE DENSITY, FLAME RETARDANT POWER CABLE

#### ROMCABLU RFOU (NEK 606 P1)



#### CABLE STRUCTURE

- 1- CONDUCTOR : Electrolytic, stranded, tinned copper wire IEC 60228 Class 2 (Class 5 on request).
- 2- INSULATION : Halogen free EPR or Halogen free HEPR
- 3- BEDDING : Halogen free compound.
- 4- SCREEN : Electrolytic, tinned copper braided screen ( 90% coverage ).
- 5- OUTER SHEATH : SHF2, Black

#### SIMILAR PRODUCTS & NOTES

- RFOU P1/P8 : Mud resistant
- RFCU : Steel wire braided screen
- MGSGO : Acc. to standard VG 95218
- LMGSGO 550/825V : Acc. to standard VG 95218 light

**PRODUCTION AND TEST STANDARDS:** CONSTRUCTION : NEK 606 P1, IEC 60092/353 , TESTS AND MATERIAL : IEC 60092 /350-351-359, FLAME RETARDATION : IEC 60332 /1, IEC 60332 / 3 Cat A , HALOGEN CONTENT : IEC 60754 / 1 - 2 , SMOKE DENSITY : IEC 61034 / 1-2 ( DIN EN 50268/1-2), WORKING TEMPERATURE : -40°C / +90°C , MIN. BENDING RADIUS (FIXED) : ( 8 x(overall diameter) ), RATED VOLTAGE : 0,6/1 kV, TEST VOLTAGE : 3,5 kV

**APPLICATION** Fixed installation cable for power, control and lighting, **ENVIRONMENT** Usable at all conditions in marine environment such as dry, wet or oily locations. **SAFETY** Due to its' halogen free and flame retardant features, it won't create corrosive gases and prevents the fire from spreading around. Thus it protects human life and equipment, during a fire. Low smoke density reduces the risk of smoke suffocation and keeps visibility around the fire zone.

CROSS SECTION (mm <sup>2</sup> )	OVERALL DIAMETER (mm)	APPK. WEIGHT (kg / km)	COPPER WEIGHT (kg / km)
1 x 1.5	8.7	140	51
1 x 2.5	9.2	160	65
1 x 4	9.8	170	85
1 x 6	10.4	220	110
1 x 10	11.4	280	161
1 x 16	12.5	360	231
1 x 25	14.8	480	345
1 x 35	16	630	463
1 x 50	17.6	840	626
1 x 70	19.6	1,070	869
1 x 95	21.9	1,300	1,166
1 x 120	23.9	1,700	1,458
1 x 150	25.9	2,020	1,807
1 x 185	28.3	2,350	2,220
1 x 240	31.1	3,120	2,849
1 x 300	34.4	3,750	3,560
2 x 1.5	12.6	250	109
2 x 2.5	14	330	142
2 x 4	15.2	400	189
2 x 6	16.3	470	246
2 x 10	18.4	630	363
2 x 16	20.5	820	526
2 x 25	24.3	1,200	798
2 x 35	26.8	1,500	1,066
2 x 50	29.9	1,840	1,461
3 x 1.5	13.2	280	132
3 x 2.5	14.7	380	176
3 x 4	16	460	241
3 x 6	17.2	550	320
3 x 10	19.4	750	482
3 x 16	21.7	1,000	709
3 x 25	25.9	1,490	1,087
3 x 35	28.5	1,870	1,459
3 x 50	31.8	2,420	2,014
3 x 70	37	3,320	2,791
3 x 95	41.9	4,340	3,747
3 x 120	46.7	5,490	4,735
3 x 150	51.2	6,630	5,871
3 x 185	56.7	8,080	7,254
3 x 240	62.8	10,130	9,297
4 x 1.5	14.7	360	161
4 x 2.5	15.8	440	220
4 x 4	17.3	550	303
4 x 6	18.6	660	406
4 x 10	21.1	910	616
4 x 16	23.7	1,230	914
4 x 25	28.3	1,840	1,408
4 x 35	31.3	2,300	1,897
4 x 50	35.9	3,090	2,642
4 x 70	40.7	4,330	3,638
4 x 95	46.7	5,810	4,921
4 x 120	51.5	7,030	6,180
4 x 150	57	8,610	7,702
4 x 185	62.6	10,570	9,480
5 x 1.5	15.8	420	194
5 x 2.5	17.1	510	265
5 x 4	18.6	640	370
5 x 6	20.1	810	499
5 x 10	22.9	1,110	759
5 x 16	25.8	1,470	1,131
5 x 25	31	2,240	1,741
5 x 35	34.7	2,820	2,374
5 x 50	39.3	3,980	3,281
5 x 70	45.2	5,270	4,546
5 x 95	51.3	7,570	6,118
7 x 1.5	16.9	490	244
7 x 2.5	18.4	610	339
10 x 1.5	20	680	353
10 x 2.5	21.9	940	494
12 x 1.5	21.4	780	413
12 x 2.5	23.4	980	582
14 x 1.5	22.4	930	466
14 x 2.5	24.5	1,090	660
19 x 1.5	24.7	1,050	604
19 x 2.5	27.1	1,420	860
24 x 1.5	27.4	1,310	761
24 x 2.5	30.2	1,830	1,085
27 x 1.5	29.1	1,570	863
27 x 2.5	32.1	1,990	1,235
37 x 1.5	32.9	1,820	1,146
37 x 2.5	36.7	2,600	1,648





**BFOU (NEK 606 P5)**

HALOGEN FREE, LOW SMOKE DENSITY, FIRE AND FLAME RETARDANT POWER CABLE

**OFFSHORE CABLES**

**CABLE STRUCTURE ;** 1- **CONDUCTOR** : Electrolytic, stranded, tinned copper wire IEC 60228 Class 2 (Class 5 on request).  
 2- **SEPARATOR** : Mica tape over conductor.3-**INSULATION** : Halogen free EPR or Halogen free HEPR 4- **BEDDING** : Halogen free compound.  
 5- **SCREEN** : Electrolytic, tinned copper braided screen ( 90% coverage ). 6- **OUTER SHEATH** : SHF2, Black

**PRODUCTION AND TEST STANDARDS**

**CONSTRUCTION** : NEK 606 P5, IEC 60092/353  
**TESTS AND MATERIAL** : IEC 60092 /350-351-359  
**FLAME RETARDATION**: IEC 60332/1, IEC 60332/ 3 Cat A  
**FIRE RESISTANCE** : IEC 60331  
**HALOGEN CONTENT** : IEC 60754 / 1 - 2  
**SMOKE DENSITY** : IEC 61034 / 1-2 ( DIN EN 50268/1-2)  
**WORKING TEMPERATURE** : -40°C / +90°C  
**MIN. BENDING RADIUS (FIXED)** : 8 x(overall diameter)  
**RATED VOLTAGE** : 0,6/1 kV ,**TEST VOLTAGE** : 3,5 k

**ROMCABLU BFOU (NEK 606 P5)**



**APPLICATION** :Used as fixed installation cables in various electromechanical and electronic equipments,emergency and critical systems as well as electric distribution and lightning systems.

**ENVIRONMENT**:Usable at all conditions in marine environment such as dry, wet or oily locations.

**SAFETY** :Even at direct contact with fire, it will sustain the connection for as long as stated in related standards.

That provides necessary equipment (fire alarm and extinguishing systems, water pumps, communication, radio, control systems, lightning, etc.) to work uninterrupted during a fire. Due to its' halogen free and flame retardant features, it won't create corrosive gases and prevents the fire from spreading around as well. Thus it protects human life and equipment,during a fire and helps extinguishing the fire. Low smoke density reduces the risk of suffocation and keeps visibility around the fire zone.

**SMILAR PRODUCTS & NOTES** :BFOU P5/P12 : Mud resistant , BFOU-HCF 1100°C : Hydro-carbon fire resistant ,BFCU : Steel wire braided screen

**MGS** : Acc. to standard VG 95218 ,**LMGS** 550/825V : Acc. to standard VG 95218, Light

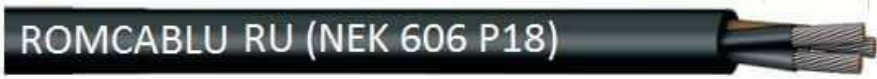
CROSS SECTION (mm <sup>2</sup> )	OVERALL DIAMETER (mm)	APPX. WEIGHT (kg / km)	COPPER WEIGHT (kg / km)
1 x 1.5	9.3	150	56
1 x 2.5	9.8	170	71
1 x 4	10.4	200	91
1 x 6	10.9	230	116
1 x 10	11.9	290	167
1 x 16	13	380	239
1 x 25	15.4	550	354
1 x 35	16.6	670	473
1 x 50	18.1	860	647
1 x 70	20.1	1110	881
1 x 95	22.4	1420	1,180
1 x 120	24.4	1710	1,473
1 x 150	26.5	2050	1,824
1 x 185	28.8	2480	2,239
1 x 240	31.6	3160	2,870
1 x 300	35	3850	3,583
2 x 1.5	14.2	320	126
2 x 2.5	15.2	380	161
2 x 4	16.4	450	210
2 x 6	17.5	530	269
2 x 10	19.5	720	389
2 x 16	21.7	890	555
2 x 25	25.5	1280	833
2 x 35	28	1580	1,105
2 x 50	31	2050	1,505
3 x 1.5	14.9	360	152
3 x 2.5	16	430	197
3 x 4	17.3	520	265
3 x 6	18.4	620	346
3 x 10	20.7	820	512
3 x 16	23	1070	743
3 x 25	27.2	1850	1,124
3 x 35	29.8	1960	1,505
3 x 50	33.1	2580	2,066
3 x 70	38.3	3450	2,851
3 x 95	43.2	4480	3,815
3 x 120	48	5650	4,805
3 x 150	52.4	6800	5,956
3 x 185	57.5	8400	7,317
3 x 240	64	10810	9,402

CROSS SECTION (mm <sup>2</sup> )	OVERALL DIAMETER (mm)	APPX. WEIGHT (kg / km)	COPPER WEIGHT (kg / km)
4 x 1.5	16.1	430	185
4 x 2.5	17.3	510	245
4 x 4	18.7	620	331
4 x 6	20	740	439
4 x 10	22.6	1000	655
4 x 16	25.1	1320	958
4 x 25	29.8	1960	1,457
4 x 35	32.7	2450	1,952
4 x 50	37.3	3120	2,709
4 x 70	42.2	4440	3,716
4 x 95	48.1	5920	5,010
4 x 120	53	7210	6,280
4 x 150	58	8690	7,780
4 x 185	64.1	10700	9,594
5 x 1.5	17.4	490	223
5 x 2.5	18.7	590	298
5 x 4	20.3	690	406
5 x 6	21.8	860	539
5 x 10	24.6	1150	804
5 x 16	27.4	1600	1,183
5 x 25	32.6	2280	1,804
5 x 35	36.8	2960	2,445
5 x 50	40.9	4070	3,361
5 x 70	46.3	5350	4,614
5 x 95	52.9	7120	6,224
7 x 1.5	18.7	580	281
7 x 2.5	20.2	700	379
10 x 1.5	22.3	880	409
10 x 2.5	24.2	1060	555
12 x 1.5	24	930	482
12 x 2.5	26	1150	658
14 x 1.5	25.1	1040	542
14 x 2.5	27.2	1270	744
19 x 1.5	27.8	1250	699
19 x 2.5	30.2	1570	969
24 x 1.5	30.9	1550	883
24 x 2.5	34.1	2090	1,242
27 x 1.5	32.9	1720	1,006
27 x 2.5	36.8	2210	1,413
37 x 1.5	37.6	2220	1,337
37 x 2.5	41	2930	1,855

Halogen Free	Fire Resistant	3.5 kV Test Voltage
Low Smoke Density	Oil Resistant	-40 to +90 °C Working Temperature
Flame Retardant	0.6/1 kV Rated Voltage	8x Bending Radius



RU (NEK 606 P18) HALOGEN FREE, LOW SMOKE DENSITY, FLAME RETARDANT, POWER CABLE



**CABLE STRUCTURE :** 1- CONDUCTOR : Electrolytic, stranded, tinned copper wire IEC 60228 Class 2 (Class 5 on request).  
 2- INSULATION : Halogen free EPR or Halogen free HEPR 3- OUTER SHEATH : SHF2 (SHF MUD on request)  
**PRODUCTION AND TEST STANDARDS:** CONSTRUCTION : NEK 606 P18, IEC 60092/353 , TESTS AND MATERIAL : IEC 60092 /350-351-359  
**FLAME RETARDATION :** IEC 60332 /1, IEC 60332 /3 Cat A , **HALOGEN CONTENT :** IEC 60754 / 1 - 2 , **SMOKE DENSITY :** IEC 61034 / 1-2 ( DIN EN 50268/1-2) ,  
**WORKING TEMPERATURE :** -40°C / +90°C , **MIN. BENDING RADIUS (FIXED) :** 7 x(overall diameter), **RATED VOLTAGE :** 0,6/1 kV, **TEST VOLTAGE :** 3,5 kV  
**APPLICATION :** Fixed installation cable for power, control and lighting. **ENVIRONMENT:** Usable at all conditions in marine environment such as dry, wet or oily locations. **SAFETY:** Due to its' halogen free and flame retardant features, it won't create corrosive gases and prevents the fire from spreading around. Thus it protects human life and equipment, during a fire. Low smoke density reduces the risk of smoke suffocation and keeps visibility around the free zone

CROSS SECTION (mm <sup>2</sup> )	OVERALL DIAMETER (mm)	APPX. WEIGHT (kg / km)	COPPER WEIGHT (kg / km)
1 x 1.5	5.7	50	15
1 x 2.5	6.1	60	24
1 x 4	6.7	80	39
1 x 6	7.2	100	58
1 x 10	8.3	150	96
1 x 16	9.3	220	154
1 x 25	11.2	340	240
1 x 35	12.5	440	336
1 x 50	14	580	480
1 x 70	16	780	672
1 x 95	18.3	1,050	912
1 x 120	20.3	1,340	1,152
1 x 150	22.4	1,840	1,440
1 x 185	24.7	2,020	1,776
1 x 240	27.5	2,550	2,304
1 x 300	30.4	3,160	2,880
2 x 1.5	9.5	130	29
2 x 2.5	10.4	170	48
2 x 4	11.6	220	77
2 x 6	12.7	280	116
2 x 10	14.8	410	192
2 x 16	16.9	570	308
2 x 25	20.8	900	480
2 x 35	23.2	1,160	672
2 x 50	26.3	1,560	960
3 x 1.5	10.1	160	44
3 x 2.5	11.1	200	72
3 x 4	12.4	270	116
3 x 6	13.6	350	173
3 x 10	15.8	520	288
3 x 16	18.1	730	461
3 x 25	22.3	1,160	720
3 x 35	24.9	1,510	1,008
3 x 50	28.3	2,020	1,440
3 x 70	32.6	2,730	2,016
3 x 95	37.5	3,660	2,736
3 x 120	41.8	4,680	3,456
3 x 150	46.3	5,740	4,320
3 x 185	51.4	7,100	5,328
3 x 240	57.5	8,970	6,912
4 x 1.5	11.1	190	58
4 x 2.5	12.3	260	96
4 x 4	13.7	340	154
4 x 6	15	440	231
4 x 10	17.5	660	384
4 x 16	20.1	930	615
4 x 25	24.8	1,490	960
4 x 35	27.7	1,940	1,344
4 x 50	31.4	2,600	1,920
4 x 70	36.3	3,510	2,688
4 x 95	41.8	4,720	3,648
4 x 120	46.7	6,050	4,608
4 x 150	51.6	7,410	5,760
4 x 185	57.3	9,170	7,104
5 x 1.5	12.2	230	72
5 x 2.5	13.5	310	120
5 x 4	15.1	430	192
5 x 6	16.6	560	288
5 x 10	19.4	830	480
5 x 16	22.2	1,170	768
5 x 25	27.4	1,870	1,200
5 x 35	30.7	2,440	1,680
5 x 50	34.9	3,260	2,400
5 x 70	40.3	4,400	3,360
5 x 95	46.5	5,910	4,560
7 x 1.5	13.3	290	101
7 x 2.5	14.8	390	168
10 x 1.5	16.5	460	144
10 x 2.5	18.3	590	240
12 x 1.5	17.8	520	173
12 x 2.5	19.9	690	288
14 x 1.5	18.8	640	202
14 x 2.5	21	850	336
19 x 1.5	21.1	740	274
19 x 2.5	23.5	1,010	456
24 x 1.5	23.8	940	346
24 x 2.5	26.6	1,280	576
27 x 1.5	25.6	1,220	389
27 x 2.5	28.6	1,640	648
37 x 1.5	28.9	1,700	533
37 x 2.5	32.3	1,920	888



OFFSHORE CABLES





### RFCU(I) (NEK 606) HALOGEN FREE, LOW SMOKE DENSITY, FLAME RETARDANT INSTRUMENTATION AND TELECOMMUNICATION CABLE

#### ROMCABLU RFCU(I) (NE 606)



**CABLE STRUCTURE :** **1- CONDUCTOR :** Electrolytic, stranded, tinned copper wire IEC 60228 Class 2 (Class 5 on request).  
**2- INSULATION :** Halogen free EPR or Halogen free HEPR , LAYUP : Cores laid up in pairs/triads, pairs/triads laid up concentrically.  
**3- DRAIN WIRE :** Electrolytic, stranded, tinned copper drain wire along with every pair/triad **4- SCREEN :** Electrolytic copper backed polyester tape screen ( 100% coverage ) over every pair/triad and drain wire. **5- BEDDING :** Halogen free compound. **6- SCREEN :** Galvanised steel wire braided screen **7- OUTER SHEATH :** SHF2 (SHF MUD on request)  
**ENVIRONMENT :** Usable at all conditions in marine environment such as dry, wet or oily locations where mechanical forces may expected.  
**SAFETY :** Due to its' halogen free and flame retardant features, it won't create corrosive gases and prevents the fire from spreading around. Thus it protects human life and equipment, during a fire. Low smoke density reduces the risk of smoke suffocation and keeps visibility around the fire zone.

CROSS SECTION (mm <sup>2</sup> )	OVERALL DIAMETER (mm)	APPX. WEIGHT (kg / km)	COPPER WEIGHT (kg / km)
1 x 2 x 0.75	10.3	140	20
2 x 2 x 0.75	14.9	270	39
4 x 2 x 0.75	16.9	390	77
7 x 2 x 0.75	19.6	550	135
8 x 2 x 0.75	23.4	680	154
9 x 2 x 0.75	23.4	760	173
10 x 2 x 0.75	23.4	820	192
12 x 2 x 0.75	25.1	950	231
14 x 2 x 0.75	26.3	1,050	269
16 x 2 x 0.75	27.7	1,200	308
19 x 2 x 0.75	29.1	1,510	365
24 x 2 x 0.75	32.8	1,980	461
1 x 3 x 0.75	10.7	150	27
2 x 3 x 0.75	16.2	330	53
4 x 3 x 0.75	18.4	470	106
7 x 3 x 0.75	21.5	730	185
8 x 3 x 0.75	25.9	840	212
9 x 3 x 0.75	25.9	1,150	238
10 x 3 x 0.75	25.9	1,250	264
12 x 3 x 0.75	27.8	1,410	317
14 x 3 x 0.75	29.1	1,610	370
16 x 3 x 0.75	30.8	1,910	423
19 x 3 x 0.75	32.7	2,050	502
24 x 3 x 0.75	36.9	2,310	634
1 x 2 x 1.5	11.7	180	34
2 x 2 x 1.5	17.4	370	68
4 x 2 x 1.5	19.9	550	135
7 x 2 x 1.5	23.4	800	236
8 x 2 x 1.5	28.1	1,080	269
9 x 2 x 1.5	28.1	1,210	303
10 x 2 x 1.5	28.1	1,290	336
12 x 2 x 1.5	30.3	1,450	404
14 x 2 x 1.5	31.8	1,700	471
16 x 2 x 1.5	34	2,110	538
19 x 2 x 1.5	36.2	2,300	639
24 x 2 x 1.5	40.4	2,500	807
1 x 3 x 1.5	12.2	190	48
2 x 3 x 1.5	19	450	96
4 x 3 x 1.5	21.9	690	192
7 x 3 x 1.5	25.8	1,180	336
8 x 3 x 1.5	31.3	1,030	384
9 x 3 x 1.5	31.3	1,800	432
10 x 3 x 1.5	31.3	1,590	480
12 x 3 x 1.5	34.2	1,710	576
14 x 3 x 1.5	36.3	2,000	672
16 x 3 x 1.5	38.3	2,300	768
19 x 3 x 1.5	40.3	2,740	912
24 x 3 x 1.5	45.5	3,500	115
1 x 2 x 2.5	12.7	230	2
2 x 2 x 2.5	19.1	490	53
4 x 2 x 2.5	22	970	106
7 x 2 x 2.5	26	1,750	212
8 x 2 x 2.5	31.4	1,880	370
9 x 2 x 2.5	31.4	1,960	423
10 x 2 x 2.5	31.4	2,250	476
1 x 3 x 2.5	13.3	360	528
2 x 3 x 2.5	21	700	77
4 x 3 x 2.5	24.3	1,480	154
7 x 3 x 2.5	28.8	2,350	308
8 x 3 x 2.5	35.5	2,710	538
9 x 3 x 2.5	35.5	3,000	615
10 x 3 x 2.5	35.5	3,310	692

#### SMILAR PRODUCTS & NOTES :

- RFU(I) : Copper wire braided overall screen
- RU(I+C) : Cooper tape overall screen
- FMSGSG0 : Acc. to standard VG 95218, cooper wire braided individual and overall screen
- LFMSGSG0 : Acc. to standard VG 95218, cooper wire braided individual and overall screen

