

RFOU P1/P8

Offshore power 0,6/ 1kV

DESIGN

Conductor

Flexible conductor tinned copper, based on IEC 60228.

Insulation

Halogen Free Ethylene propylene, type EPR according to IEC 60092-351.

The standard identification is the following:

- 1 conductor natural
- 2 conductors blue + brown
- 3 conductors brown + black + grey
- 4 conductors brown + black + grey + blue
- 5 or more conductorswhite numbered

Bedding

Halogen Free compound.

Braid / Armour

Tinned copper wire braid.

Outer sheath

Mud resistant thermosetting compound, black colour, low smoke and halogen free, type SHF MUD.

APPLICATIONS

Offshore power 0,6/1kV cable. These cables have been specially designed to operate reliably in the harshest oil rig conditions. Heavy duty, mud resistant, power and control cables for Offshore applications. Halogen free, flame and fire non propagator. Excellent resistance to oils, abrasion, petrochemical fluids, moisture and salt water. Based on IEC 60092-353 and NEK TS 606. Xtrem RFOU cables are suitable for power distribution in fixed installations in vessels and oil rigs.



sterk in Kabels

CHARACTERISTICS

- Flexible conductor
- Minimum bending radius: 6 x cable diameter
- LSZH
- Mechanical stress impact: AG3. High severity
- Minimum service temperature: fixed -40°C mobile -25°C
- Meter by meter marking
- Low smoke emission: Light transmittance > 60%
- Outdoor installation: permanent
- Maximum service temperature: 90°C
- Flame non-propagation
- Low corrosive gases emission
- Water resistance: AD4 splashes
- Maximum short-circuit temperature: 250°C (maximum 5 s)
- Fire non-propagation
- Mud resistance NEK TS 606
- Chemical & oil resistance: excellent

INSTALLATION CONDITIONS

- Oil rigs
- In conduit
- Marine use
- Wall attached
- Public places
- On tray
- Open air

PROPERTIES

Cross section (mm ²)	Diameter (mm)	Weight (Kg/km)	Open Air 45°C (A)	Voltage drop (V/A · km)	Max. Conductor Resistance at 20°C (Ohm /Km)
1 x 16	13,26	310	86	2,74	1,2400
1 x 25	15,64	450	117	1,76	0,7950
1 x 35	16,83	570	147	1,25	0,5650
1 x 50	18,77	760	180	0,87	0,3930
1 x 70	20,39	1.040	233	0,61	0,2770
1 x 95	22,77	1.310	285	0,46	0,2100
1 x 120	24,30	1.590	333	0,36	0,1640
1 x 150	26,66	1.920	386	0,29	0,1320
1 x 185	28,92	2.340	444	0,24	0,1080
1 x 240	31,95	2.965	528	0,18	0,0817
1 x 300	35,19	3.660	612	0,14	0,0654
2 x 1,5/4	12,18	235	23	30,30	13,7000
2 x 2,5/4	13,70	275	31,0	18,10	8,2100
2 x 4/6	14,78	365	43	11,24	5,0900
2 x 6/6	16,10	4.047	55	7,48	3,3900
2 x 10/10	18,02	585	75	4,30	1,9500
2 x 16/16	20,18	725	100	2,74	1,2400
2 x 25/16	24,06	1.060	130	1,76	0,7950
3 x 1,5/4	12,93	265	20	30,30	13,7000
3 x 2,5/6	14,23	315	28	18,10	8,2100
3 x 4/6	15,68	420	37	11,24	5,0900
3 x 6/6	16,78	495	47	7,48	3,3900
3 x 10/10	19,10	725	65	4,30	1,9500
3 x 16/16	21,45	990	87	2,74	1,2400
3 x 25/16	25,49	1.440	110	1,76	0,7950
3 x 35/16	28,04	1.850	137	1,25	0,5650
3 x 50/25	32,66	2.430	167	0,87	0,3930
3 x 70/35	36,57	3.220	214	0,61	0,2770
3 x 95/50	41,68	4.295	259	0,46	0,2100
3 x 120/60	45,59	5.245	301	0,36	0,1640
3 x 150/75	50,47	6.475	347	0,29	0,1320
3 x 185/95	55,78	7.990	397	0,24	0,1080
3 x 240/120	62,28	9.615	468	0,18	0,0817
4G2,5	15,34	320	25	18,10	8,2100
4G4	16,77	380	34	11,24	5,0900
4G6	18,20	590	42	7,48	3,3900
4G10	20,67	880	57	4,30	1,9500
4G16	23,28	1.250	77	2,74	1,2400
4G25	27,96	1.720	100	1,76	0,7950
4G35	30,82	2.200	120	1,25	0,5650
4G50	36,37	2.900	145	0,87	0,3930
4G70	40,28	3.700	180	0,61	0,2770
4G95	46,44	4.650	225	0,46	0,2100
4G120	50,34	5.700	260	0,36	0,1640
4G150	56,24	7.000	300	0,29	0,1320
4G185	61,70	8.300	340	0,24	0,1080
4G240	68,99	9.750	400	0,18	0,0817
4 x 1,5/4	14,44	300	18	30,30	13,7000
4 x 2,5/6	15,52	340	25	18,10	8,2100
4 x 4/6	17,05	400	34	11,24	5,0900
4 x 6/6	18,37	610	42	7,48	3,3900
4 x 10/10	20,67	900	57	4,30	1,9500
4 x 16/16	23,28	1.300	77	2,74	1,2400
4 x 25/16	27,96	1.765	100	1,76	0,7950
4 x 35/16	30,82	2.300	120	1,25	0,5650
4 x 50/25	36,37	3.000	145	0,87	0,3930
4 x 70/35	40,28	3.800	180	0,61	0,2770
4 x 95/50	46,44	4.800	225	0,46	0,2100
4 x 120/60	50,34	20.264	260	0,36	0,1640
4 x 150/75	56,24	7.200	300	0,29	0,1320
4 x 185/95	61,70	8.500	340	0,24	0,1080
4 x 240/120	68,99	10.000	400	0,18	0,0817
5G2,5	16,57	450	23	18,10	8,2100
5G4	18,18	600	34	11,24	5,0900
5G6	19,78	850	39	7,48	3,3900
5G10	22,55	1.100	53	4,30	1,9500
5G16	25,47	1.500	72	2,74	1,2400
5G25	30,72	2.000	93	1,76	0,7950
5G35	34,36	2.800	112	1,25	0,5650

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5G50	40,04	4.000	135	0,87	0,3930
5G70	44,84	5.600	170	0,61	0,2770
5 x 1,5	15,45	385	17	30,30	13,7000
5 x 2,5	16,57	465	23	18,10	8,2100
7 x 1,5	16,70	450	15	30,30	13,7000
7 x 2,5	18,05	550	20	18,10	8,2100
12 x 1,5	20,93	625	13	30,30	13,7000
12 x 2,5	22,99	750	17	18,10	8,2100
19 x 1,5	24,30	1.300	11	30,30	13,7000
19 x 2,5	26,55	1.550	14	18,10	8,2100
27 x 1,5	29,13	1.850	10	30,30	13,7000
27 x 2,5	32,49	2.150	12,0	18,10	8,2100
37 x 1,5	32,90	2.600	9,0	30,30	13,7000
37 x 2,5	36,25	3.000	10	18,10	8,2100

