

Becatech

Interconnective Power



Offshore power cable (RFOU 0.6/1kV)

Cable Structure :

Conductor: tinned annealed stranded circular copper according to IEC 60228 (class 2).

Insulation: EP-rubber according to IEC 60092-360.

Inner covering: flame retardant and halogen free thermoset compound.

Taping: PET tape.

Armour: tinned annealed copper wire braid.

Outer sheath: SHF2 according to IEC 60092-360.

Core identification:

- Single core: black.
- Two cores: blue, brown.
- Three cores: brown, black, grey.
- Four cores: blue, brown, black, grey.
- Five cores: blue, brown, black, grey, black.
- Seven cores and above: white with black numbers.
- Two cores + earth (3G): yellow/green, blue, brown.
- Three cores + earth (4G): yellow/green, brown, black, grey.
- Four cores + earth (5G): yellow/green, blue, brown, black, grey.

Technical Specification :

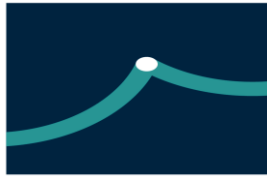
Rated conductor temperature: 90°C.

Rated bending radius during installation: 8 x ϕ .

Rated bending radius fixed installation: 6 x ϕ .

Fire behaviour:

- Flame retardant according to IEC 60332-1-2.
- Fire retardant according to IEC 60332-3-22.
- Halogen free according to IEC 60754-1, (2).
- Low smoke according to IEC 61034-1, (2).



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Application :

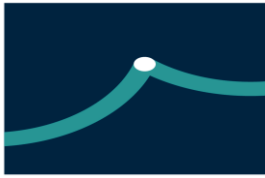
Fixed installation for power, control and lightning in both EX (zone 0,1,2) and safe areas, general purposes.

Core x mm ²	Conductor Diameter mm	Insulation Thickness mm	Diameter Under Armour mm	Overall Diameter mm	Weight (kg/km)
1x2.5	2.2	1.0	6.0	9.7	170
1x6	3.2	1.0	7.0	10.5	193
1x16	4.8	1.0	10.1	11.2	385
1x25	6.3	1.2	11.7	13.3	573
1x35	7.1	1.2	13.0	14.6	713
1x50	8.3	1.4	14.3	15.9	896
1x70	10.0	1.4	16.2	17.8	1160
1x95	11.7	1.6	18.5	20.1	1484
1x120	13.0	1.6	19.6	21.2	1758
1x150	14.3	1.8	21.4	23.0	2119
1x185	16.3	2.0	23.9	25.5	2558
1x240	18.7	2.2	27.3	33.7	3240
1x300	21.7	2.4	30.7	35.0	4050
2x1.5	1.6	1.0	10.2	14.4	317
2x2.5	2.0	1.0	11.2	15.5	373
2x4	2.6	1.0	12.8	17.1	460
2x6	3.2	1.0	13.8	18.3	546
2x10	3.8	1.0	14.8	20.2	724
2x16	4.8	1.0	16.9	22.7	957
3x1.5	1.6	1.0	10.8	15.0	349
3x2.5	2.0	1.0	11.9	16.1	417
3x4	2.6	1.0	13.6	17.8	521
3x6	3.2	1.0	14.7	19.1	627
3x10	3.8	1.0	15.8	21.1	857
3x16	4.8	1.0	18.0	23.6	1148
3x25	6.3	1.2	21.7	27.6	1609
3x35	7.1	1.2	24.6	30.9	2079

Becatech B.V.
Middenweg 18
3930 Hamont-Achel

info@becatech.be
www.becatech.be
+32 (0)11 19 29 45

IBAN BE89363217265185
VAT BE0777.903.079
CoC 0777.903.079



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3x50	8.3	1.4	27.6	34.6	2780
3x70	10.0	1.4	31.8	39.4	3684
3x95	11.7	1.6	36.7	45.2	4929
3x120	13.0	1.6	39.4	48.5	5954
3x150	14.3	1.8	43.6	54.0	7526
3x185	16.3	2.0	49.0	61.0	9487
3x240	18.7	2.2	55.8	68.5	12050
4x1.5	1.6	1.0	11.7	15.9	397
4x2.5	2.0	1.0	12.9	17.1	479
4x4	2.6	1.0	14.8	19.0	616
4x6	3.2	1.0	16.0	20.9	761
4x10	3.8	1.0	17.2	22.5	1009
4x16	4.8	1.0	19.7	25.6	1370
4x25	6.3	1.2	23.8	29.7	1938
4x35	7.1	1.2	27.1	33.3	2520
4x50	8.3	1.4	30.4	37.4	3387
4x70	10.0	1.4	35.0	42.6	4506
4x95	11.7	1.6	40.5	49.0	6042
4x120	13.0	1.6	43.5	52.6	7324
5x1.5	1.6	1.0	13.0	16.5	496
5x2.5	2.0	1.0	14.0	18.5	598
5x4	2.6	1.0	16.0	21.5	766
5g4	2.6	1.0	16.0	21.5	766
5x6	3.2	1.0	18.0	23.5	941
5x70	10.0	1.4	38.0	46.5	5332
7x1.5	1.6	1.0	14.0	18.2	370
7x2.5	2.0	1.0	15.3	19.9	657
12x1.5	1.6	1.0	18.2	23.6	545
12x2.5	2.0	1.0	19.9	25.5	1115
19x1.5	1.6	1.0	21.2	27.0	743
19x2.5	2.0	1.0	23.5	29.3	1516
27x2.5	2.0	1.0	28.4	34.6	2107
37x1.5	1.6	1.0	25.6	31.8	1291
37x2.5	2.0	1.0	31.9	38.6	2662

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