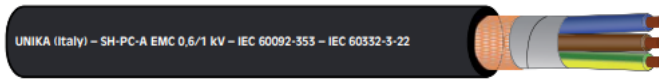




# Becatech

Interconnective Power



**Armoured power marine cable  
with high screening  
effectiveness (SH-PC-A EMC)**

## Cable Structure :

Conductor: flexible bare (optional tinned) copper according to IEC 60228 (class 5).

Inner sheath: yarn fillers and non-hygroscopic tape or extruded halogen free.

Insulation: HF XLPE according to IEC 60092-360.

Armour: bare copper wire braid (upon request tinned copper or galvanized steel braid), minimum coverage 90%.

Extra armour: to reduce electromagnetic interferences, additional aluminum tape underneath the copper braid or copper may be inserted (according to IEC 62153-4 part 3 and 4).

Taping: aluminum.

Outer sheath: SHF1 compound according to IEC 60092-360.

## Technical Specification :

Rated conductor temperature: -40°C to 90°C.

Minimum installation temperature: -15°C.

Rated bending radius: 6 x  $\phi$ .

Fire behaviour:

- Not fire propagation according to IEC 60332-3-22.
- Not flame propagation according to IEC 60332-1-2.
- Halogen free according to IEC 60754-1.
- pH and conductivity according to IEC 60754-2.
- Fluorine content according to IEC 60684-2.
- Smoke emission according to IEC 61034.

## Application :

Can be used in most areas and on open deck in ships and offshore units.

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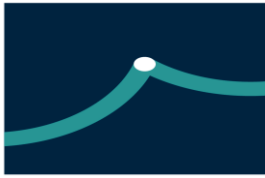
Interconnective Power

Core x mm <sup>2</sup>	Overall Diameter mm	Cable Mass (kg/km)
1x4	7.1	96
1x6	7.6	121
1x10	8.8	173
1x16	9.9	243
1x25	11.8	368
1x35	13.5	487
1x50	15.3	660
1x70	17.3	895
1x95	20.0	1184
1x120	22.3	1457
1x150	25.0	1799
1x185	26.1	2135
1x240	29.1	2663
1x300	32.3	3239
2x1	8.7	95
2x1.5	9.3	112
2x2.5	10.1	140
2x4	11.5	189
2x6	12.5	241
2x10	15.1	358
2x16	17.5	513
2x25	21.1	767
3x1	9.1	112
3x1.5	9.7	137
3g1.5	9.7	137
3x2.5	10.6	174
3x4	12.1	242
3x6	13.6	314
3x10	15.9	473
3x16	18.5	691
3x25	22.5	1060
3x35	25.5	1463
3x50	29.2	1939

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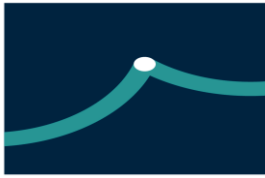
Interconnective Power

3x70	33.4	2652
3x95	39.6	3571
3x120	44.5	4421
3x150	50.3	5469
3x185	52.9	6477
4x1	9.8	133
4x1.5	10.5	162
4x2.5	11.7	219
4x4	13.5	296
4x6	14.9	411
4x10	17.6	604
4x16	20.4	885
4g16	20.4	885
4x25	24.9	1397
4x35	28.2	1887
4x50	32.3	2510
4x70	37.4	3486
4x95	44.1	4659
5x1	10.6	154
5x1.5	11.6	195
5x2.5	12.7	259
5x4	14.9	376
5x6	16.2	495
5x10	19.3	726
5x16	22.5	1076
5x25	27.5	1711
5x35	31.2	2320
7x1	11.6	196
7x1.5	12.5	243
7x2.5	14.3	348
10x1	14.9	285
10x1.5	16.1	354
10x2.5	17.9	486
12x1	15.3	318
12x1.5	16.7	408
12x2.5	18.4	551
14x1.5	17.5	453

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14x2.5	19.5	631
19x1.5	19.5	582
19x2.5	21.5	804
24x1	20.7	560
24x1.5	22.7	727
24x2.5	25.3	1056
30x1.5	23.9	856
30x2.5	26.7	1256
37x1.5	25.9	1066
37x2.5	28.9	1508

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