

# Becatech

Interconnective Power



**Fire resistant marine cable  
individually screened and  
armoured  
(SH-CI-I-A-F S95)**

## Cable Structure :

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

Insulation: silicone compound according to IEC 60092-360.

Individually screened: aluminum/ polyester tape with drain wire ( optional bare or tinned copper wire braid).

Taping: non hygroscopic tape.

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

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

Core identification:

- Pair: black, white with numbers (1-1,2-2,3-3,...).
- Triple: black, white, red with numbers (1-1-1,2-2-2,3-3-3,...).
- Quad: black, white, red, blue with numbers (1-1-1-1,2-2-2-2,3-3-3-3,...).

## Technical Specification :

Minimum installation temperature: -15°C.

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

Rated bending radius: 6 x  $\phi$ .

Fire behaviour:

- Non fire propagation according to IEC 60332-3-22.
- Non flame propagation according to IEC 60332-1.
- Fire resistant according to IEC 60331-21, IEC 60331-1 (2).
- Halogen content 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 for fixed installation in most areas and on open deck in ships and offshore units.  
IF the cable is exposed to direct sunlight, protective covering of cable with black outer sheath is recommended.

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IBAN BE89363217265185  
VAT BE0777.903.079  
CoC 0777.903.079



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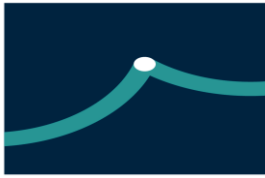
Interconnective Power

Core x mm <sup>2</sup> (pair, triple, quad)	Overall Diameter mm	Cu Weight (kg/km)	Cable Weight (kg/km)
2x2x0.5	11.0	85	173
4x2x0.5	12.8	125	243
7x2x0.5	15.7	227	349
10x2x0.5	20.0	310	541
14x2x0.5	21.6	384	658
19x2x0.5	24.1	480	830
24x2x0.5	28.4	592	1025
30x2x0.5	30.3	695	1221
37x2x0.5	32.6	819	1442
2x2x0.75	12.2	102	201
4x2x0.75	14.7	193	292
7x2x0.75	17.5	277	480
10x2x0.75	22.3	380	666
14x2x0.75	24.2	476	844
19x2x0.75	27.0	598	1062
24x2x0.75	31.8	740	1326
30x2x0.75	33.9	874	1551
37x2x0.75	37.1	1146	1959
2x2x1	12.6	119	220
4x2x1	15.1	226	377
7x2x1	18.0	333	551
10x2x1	23.1	460	771
14x2x1	25.2	584	971
19x2x1	28.1	744	1244
24x2x1	33.1	924	1569
30x2x1	35.0	1101	1960
37x2x1	38.5	1429	2332
2x2x1.5	14.6	188	312
4x2x1.5	17.0	282	466
7x2x1.5	20.4	422	692
10x2x1.5	26.1	585	961
14x2x1.5	28.5	751	1232
19x2x1.5	31.8	963	1571
24x2x1.5	38.0	1311	2100

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30x2x1.5	40.4	1557	2454
37x2x1.5	43.9	1852	2954
4x3x0.5	14.2	188	305
7x3x0.5	16.9	272	451
12x3x0.5	22.2	418	760
4x3x0.75	15.7	232	414
7x3x0.75	18.8	341	605
12x3x0x75	25.0	530	965
4x3x1	16.2	275	479
7x3x1	19.6	414	709
12x3x1	25.8	654	1136
4x3x1.5	18.8	358	597
7x3x1.5	22.8	546	901
12x3x1.5	30.4	869	1425
3x4x0.5	14.9	190	310
5x4x0.5	17.9	267	509
7x4x0.5	19.6	330	613
3x4x0.75	16.5	235	432
5x4x0.75	19.9	335	610
7x4x0.75	21.6	420	807
3x4x1	17.2	276	488
5x4x1	20.7	401	705
7x4x1	22.7	511	894
3x4x1.5	20.0	360	607
5x4x1.5	24.2	531	887
7x4x1.5	26.5	682	1136

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