



Becatech

Interconnective Power



**Fire resistant control
instrumentation marine cable
collectively screened and
armoured (SH-CI-C-A-F S95)**

Cable Structure :

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

Insulation: silicone compound according to IEC 60092-360.

Collectively screened: aluminum / polyester tape with drain wire.

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

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

Core identification:

- Single: black with numbers (1,2,3,...).
- 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 :

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

Rated bending radius: 6 x ϕ .

Minimum installation temperature: -15°C.

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 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.

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Application :

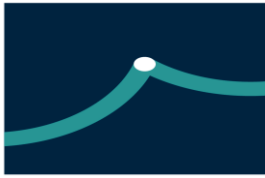
Can be used for fixed installation in most areas and on open deck in ships and offshore units.
If the cable is exposed to direct sunlight, protective covering or cable with black outer sheath is recommended.

Core x pair x mm ²	Overall Diameter mm	Cu Mass (kg/km)	Cable Mass (kg/km)
2x2x0.5	10.1	74	981
4x2x0.5	11.6	103	1227
7x2x0.5	14.2	184	1455
10x2x0.5	18.0	248	1731
14x2x0.5	19.4	301	150
19x2x0.5	21.7	370	208
24x2x0.5	25.3	453	300
30x2x0.5	26.9	525	472
37x2x0.5	29.2	613	570
1x2x0.75	?	?	?
2x2x0.75	11.1	90	180
4x2x0.75	12.9	130	275
7x2x0.75	15.9	233	428
10x2x0.75	20.0	316	603
14x2x0.75	21.8	390	738
19x2x0.75	24.3	486	932
24x2x0.75	28.5	598	1165
30x2x0.75	30.3	701	1357
37x2x0.75	32.8	825	1604
2x2x1	11.4	105	207
4x2x1	13.7	191	305
7x2x1	16.3	274	495
10x2x1	20.8	373	672
14x2x1	22.5	467	855
19x2x1	25.1	588	1076
24x2x1	29.6	726	1340

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30x2x1	31.5	858	1568
37x2x1	34.1	1017	1964
2x2x1.5	13.7	172	239
4x2x1.5	15.9	250	363
7x2x1.5	19.0	366	626
10x2x1.5	24.3	503	863
14x2x1.5	26.5	638	1087
19x2x1.5	27.8	812	1387
24x2x1.5	32.7	1006	1669
30x2x1.5	37.6	1312	1960
37x2x1.5	40.7	1553	2306
2x2x2.5	15.2	226	319
4x2x2.5	17.5	345	547
7x2x2.5	21.2	523	803
10x2x2.5	27.2	724	1138
14x2x2.5	29.6	939	1457
19x2x2.5	33.1	1213	1852
24x2x2.5	39.5	1628	2248
30x2x2.5	42.0	1947	2667
37x2x2.5	45.7	2328	3164

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