



# Becatech

Interconnective Power



**Marine control instrumentation cable, collectively screened and armoured (SH-CI-C-A EMC)**

## Cable Structure :

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

Insulation: HF XLPE according to IEC 60092-360.

Collectively screened: aluminum / polyester (or bare annealed copper) tape with drain wire.

Taping: non hygroscopic.

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:

- 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  $\phi$ .

Minimum installation temperature: -15°C.

Fire behaviour:

- Non fire propagation according to IEC 60332-3-22.
- Non flame propagation according to IEC 60332-1.
- 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 for fixed installation in most areas and on open deck in ships and offshore units.

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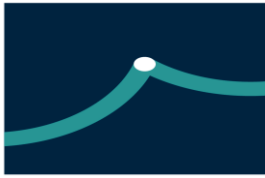
If the cable is exposed to direct sunlight, protective covering or cable with black outer sheath is recommended.

Core x pair x mm <sup>2</sup>	Overall Diameter mm	Cu Mass (kg/km)	Cable Mass (kg/km)
2x2x0.5	8.8	67	126
4x2x0.5	10.2	95	166
7x2x0.5	11.9	137	235
10x2x0.5	15.6	229	307
14x2x0.5	16.8	280	395
19x2x0.5	18.6	346	478
24x2x0.5	21.7	425	671
30x2x0.5	22.9	495	775
37x2x0.5	24.8	581	903
2x2x0.75	10.4	87	161
4x2x0.75	11.8	125	222
7x2x0.75	14.5	224	308
10x2x0.75	18.4	304	449
14x2x0.75	19.8	378	585
19x2x0.75	22.1	472	737
24x2x0.75	25.9	582	934
30x2x0.75	27.5	685	1066
37x2x0.75	29.8	808	1264
2x2x1	10.8	102	176
4x2x1	12.6	152	254
7x2x1	15.4	268	370
10x2x1	19.4	366	553
14x2x1	21.1	459	692
19x2x1	23.6	580	870
24x2x1	27.5	717	1082
30x2x1	29.3	850	1256
37x2x1	31.7	1009	1481
2x2x1.5	12.5	131	219
4x2x1.5	14.8	244	321

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7x2x1.5	17.8	359	528
10x2x1.5	22.5	494	720
14x2x1.5	24.6	630	917
19x2x1.5	27.8	803	1153
24x2x1.5	32.7	996	1383
30x2x1.5	34.4	1191	1619
37x2x1.5	37.7	1537	1901
2x2x2.5	14.4	223	171
4x2x2.5	16.7	343	204
7x2x2.5	20.0	521	241
10x2x2.5	25.7	721	354
14x2x2.5	28.0	938	481
19x2x2.5	31.5	1214	593
24x2x2.5	37.6	1626	666
30x2x2.5	39.9	1948	849
37x2x2.5	43.2	2332	1061

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