



# Becatech

Interconnective Power



**Marine control  
instrumentation cable,  
individually and collectively  
screened and unarmoured  
(SH-CI-IC-U)**

## Cable Structure :

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

Insulation: HF XLPE according to IEC 60092-360.

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

Collectively screened: aluminum / polyester tape with drain wire.

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 :

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Can be used for fixed installation in most areas and on open deck in ships and offshore units, especially when lightweight cables are needed.

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)
2x2x0.75	10.0	4	122
4x2x0.75	11.8	82	198
7x2x0.75	14.2	140	303
10x2x0.75	18.3	197	432
14x2x0.75	20.0	274	564
19x2x0.75	22.5	370	742
24x2x0.75	26.5	466	950
30x2x0.75	28.3	581	1159
37x2x0.75	30.7	716	1392
2x2x1	10.7	60	142
4x2x1	12.6	113	235
7x2x1	15.3	192	364
10x2x1	19.9	272	519
14x2x1	21.6	377	621
19x2x1	24.3	509	717
24x2x1	28.8	641	939
30x2x1	30.8	800	1177
37x2x1	33.4	984	1439
2x2x1.5	12.5	80	182
4x2x1.5	14.8	152	292
7x2x1.5	17.9	260	469
10x2x1.5	23.3	368	665
14x2x1.5	25.5	512	884
19x2x1.5	28.7	692	1163
24x2x1.5	34.1	872	1484
30x2x1.5	36.3	1088	1809
37x2x1.5	39.4	1340	2205