

# BizLink SeaLine<sup>®</sup>

## Spiral cables for ships

➤ Perfectly suited for applications with extreme or predominantly irregular movements



### ADVANTAGES

- Small space requirement compared to classic connecting cables with the same length of use
- Highest freedom of movement – due to the precise restoring force, the spiral cable always returns to its original state, even under constant load
- High mechanical and electrical load capacity
- Excellent weather resistance from **-40 °C** to **+85 °C** operating temperature, salt spray resistance, water vapor resistance, UV resistance

BizLink spiral cables have been specially developed for applications where the connection is exposed to extreme or predominantly irregular movements e.g. for car transport vessels where the different decks are movable for the cars.

The coiled design of the cable allows it to stretch and extend easily, providing flexibility in movement and reach. This feature is particularly useful in such applications.

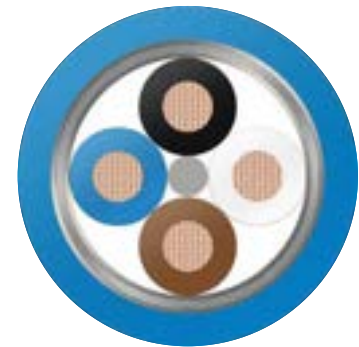
Spiralization allows extreme mechanical loads such as uneven tensile and torsional forces to be absorbed. In addition, the cables are specifically protected against electrical and mechanical influences by special insulation materials, banding for optimum sliding properties and corresponding shielding technologies.




**Marine deck signal light spiral cable**



**Marine deck signal light spiral cable**



**Marine deck signal light intrinsically safe spiral cable**

Conductor	Highly flexible stranded bare copper (16AWG/1.5 mm <sup>2</sup> ) Ø 1.58 mm (0.062 in) insulation of PP Ø 2.25 mm (0.089 in)		
Core	2x1.5 mm <sup>2</sup> blue, brown	3x1.5 mm <sup>2</sup> blue, brown, yellow-green	4x1.5 mm <sup>2</sup> blue, white, black, brown
Shield	Shield braiding of tinned copper wires, coverage 90 %		
Jacket	TPEE Ø (7.0 ± 0.3) mm (0.276 ± 0.012 in)	TPEE Ø (7.3 ± 0.3) mm (0.287 ± 0.012 in)	TPEE Ø (8.0 ± 0.3) mm (0.315 ± 0.012 in)
Characteristics	operating temperature    -40 °C to +85 °C oil resistance acc. to    IEC 60811-404 (24h/ 100 °C) fire resistance acc. to    IEC 60332-1-2 dynamic test                6000 times		
Approvals	 (pending) further approvals upon request		
Type designation	CNX C-flex R 300/500V 2x1.5	CNX C-flex R 300/500V 3x1.5	CNX intrinsically safe C-flex R 300/500V 4x1.5
Order no.	<b>C7531-TR-2X1.5-550*</b>	<b>C7531-TR-3X1.5-650**</b>	<b>C7531-TR-4X1.5-550*</b>

\* Default spiral length 550 mm – other length upon request.

\*\* Default spiral length 650 mm – other length upon request.