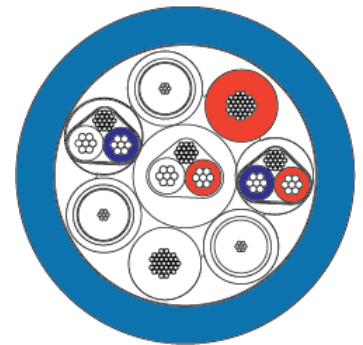


# Coax hybrid cable Type 6130



## Construction characteristics

|                              |   |
|------------------------------|---|
| <b>Coax</b>                  | 75 $\Omega$ coax (3 each)   |
| <b>Conductor</b>             | 1.00 mm <sup>2</sup> bare copper conductor insulated with PE (2 each)   |
| <b>Shielded twisted pair</b> | 0.50 mm <sup>2</sup> bare copper conductor insulated with PE.<br>2 conductors twisted together with a tinned copper drain wire, aluminium/polyester foil and a PE sheath (3 each) |
| <b>Filling compound</b>      | The cable is filled with cable filling compound   |
| <b>Outer jacket</b>          | Polyurethane jacket. Colour blue  |
| <b>Halogen free</b>          | Acc. to IEC 60754   |

## Mechanical characteristics

|                                     |                        |
|-------------------------------------|------------------------|
| <b>Diameter</b>                     | 14.00 mm $\pm$ 0.50 mm |
| <b>Weight in air</b>                | 260 kg/km nom          |
| <b>Weight in seawater</b>           | 98 kg/km nom           |
| <b>Min. bending radius, static</b>  | 90 mm                  |
| <b>Min. bending radius, dynamic</b> | 135 mm                 |
| <b>Depth rating</b>                 | 5,000 m                |

## Electrical characteristics

|                              |   |
|------------------------------|---|
| <b>Operating voltage</b>     | 600 V   |
| <b>Test voltage</b>          | 1,500 V DC for 1 min. for coax<br>3,000 V DC for 1 min. for 1.00 mm <sup>2</sup> and 0.50 mm <sup>2</sup> conductor   |
| <b>Conductor resistance</b>  | $\leq$ 135.0 $\Omega$ /km for coax<br>$\leq$ 20.0 $\Omega$ /km for 1.00 mm <sup>2</sup> conductor<br>$\leq$ 41.0 $\Omega$ /km for 0.50 mm <sup>2</sup> conductor  |
| <b>Insulation resistance</b> | $\geq$ 5,000 M $\Omega$ ×km for coax and 1.00 mm <sup>2</sup> conductor<br>$\geq$ 10,000 M $\Omega$ ×km for 0.50 mm <sup>2</sup> conductor (cond - cond)<br>$\geq$ 100 M $\Omega$ ×100 m for 0.50 mm <sup>2</sup> conductor (cond - shield) |
| <b>Capacitance</b>           | 59 pF/m for coax<br>107 pF/m for 0.50 mm <sup>2</sup> pair  |

**Impedance**

52 ±5 Ω at 1-10 MHz for 0.50 mm<sup>2</sup> pair

**Attenuation**

3.79 dB/100 m at 5 MHz for coax  
5.32 dB/100 m at 10 MHz for coax  
17.44 dB/100 m at 100 MHz for coax  
67.11 dB/100 m at 1,000 MHz for coax  
7.0 dB/100 m at 1 MHz for 0,55 mm<sup>2</sup> pair  
18.0 dB/100 at 10 MHz for 0.55 mm<sup>2</sup> pair