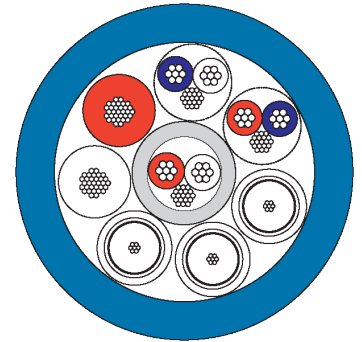


# Coax hybrid cable

## Type 6130



### Construction characteristics

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<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. 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

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<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>	6,000 m

### Electrical characteristics

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<b>Operating voltage</b>	600 V
<b>Test voltage</b>	1,500 V DC for 1 min. for coax 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 $\leq$ 20.0 $\Omega$ /km for 1.00 mm <sup>2</sup> conductor $\leq$ 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 $\geq$ 10,000 M $\Omega$ ×km for 0.50 mm <sup>2</sup> conductor (cond - cond) $\geq$ 100 M $\Omega$ ×100 m for 0.50 mm <sup>2</sup> conductor (cond - shield)
<b>Capacitance</b>	59 pF/m for coax 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