Coax hybrid cable
Type 6120/B

Construction characteristics

Coax  
75 Ω coax (2 each)

Shielded twisted pair  
1.34 mm² bare copper conductor insulated with PE  
2 conductors twisted together with a tinned copper drain wire and aluminium/polyester foil (4 each)

Twisted quad  
0.50 mm² bare copper conductor insulated with PE  
4 conductors twisted together (1 each)

Filling compound  
The cable is filled with cable filling compound

Outer jacket  
Polyurethane jacket. Colour orange

Halogen free  
Acc. to IEC 60754

Mechanical characteristics

Diameter  
14.80 mm ±0.20 mm

Weight in air  
340 kg/km nom

Weight in seawater  
165 kg/km nom

Min. bending radius, static  
170 mm

Min. bending radius, dynamic  
225 mm

Depth rating  
5,000 m

Electrical characteristics

Operating voltage  
600 V

Test voltage  
1,500 V DC for 1 min. for coax  
3,000 V DC for 1 min. for 0.50 mm² and 1.34 mm² conductor

Conductor resistance  
≤ 89.5 Ω/km for coax  
≤ 41.0 Ω/km for 0.50 mm² conductor  
≤ 15.3 Ω/km for 1.34 mm² conductor

Insulation resistance  
≥ 5,000 MΩ×km
<table>
<thead>
<tr>
<th>Parameter</th>
<th>Values</th>
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<tbody>
<tr>
<td>Capacitance</td>
<td>56 pF/m for coax</td>
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<tr>
<td></td>
<td>50 pF/m for 0.50 mm² quad</td>
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<tr>
<td></td>
<td>190 pF/m for 1.34 mm² pair</td>
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<tr>
<td>Impedance</td>
<td>37 ±5 Ω at 1-10 MHz for 1.34 mm² pair</td>
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<tr>
<td>Attenuation</td>
<td>3.00 dB/100 m at 5 MHz for coax</td>
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<td></td>
<td>4.30 dB/100 m at 10 MHz for coax</td>
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<td>44.3 dB/100 m at 1,000 MHz for coax</td>
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<td></td>
<td>7.0 dB/100 m at 1 MHz for twisted pair</td>
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<tr>
<td></td>
<td>17.5 dB/100 m at 10 MHz for twisted pair</td>
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