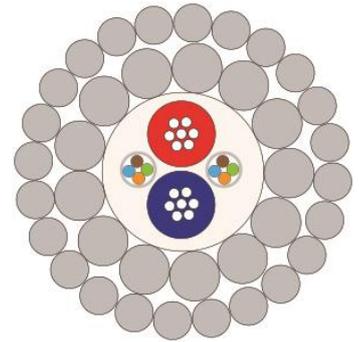


# Special cable

## Type 118440



### Construction characteristics

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<b>Fibre optic element</b>	4 x single mode fibre G.657 in steel tube (2 each) Colour blue, orange, green, brown
<b>Conductor</b>	1.5 mm <sup>2</sup> compacted stranded bare copper conductor (7 x 0.53 mm) insulated with PP, nominal thickness 0.35 mm (2 each) Colour red, blue
<b>Inner jacket</b>	HDPE jacket, nominal thickness 0.4 mm, nominal diameter 5.3 mm
<b>Armouring</b>	One layer of galvanized steel wires, diameter 1.3 mm One layer of galvanized steel wires, diameter 1.1 mm (armouring grease)

### Mechanical characteristics

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<b>Diameter</b>	10.0 ± 0.3 mm
<b>Weight in air</b>	410 kg/km
<b>Weight in seawater</b>	320 kg/km
<b>Min. bending radius</b>	200 mm
<b>Theoretical breaking strength</b>	74 kN
<b>Min. breaking strength</b>	67 kN
<b>Safe working load</b>	15 kN

### Electrical and fibre optical characteristics

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<b>Electrical DC resistance</b>	≤13.5 Ω/km
<b>Insulations resistance</b>	≥ 10 GΩ/km
<b>Max operating voltage</b>	1 kV
<b>Test voltage, DC, 2 min</b>	4 kV
<b>Attenuation</b>	≤0.5 dB/km at 1,310 nm ≤0.3 dB/km at 1,550 nm