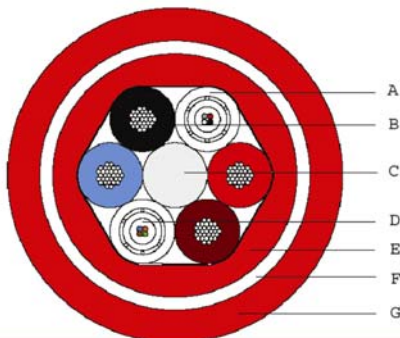


# Electrical/Optical aramidic Cable

rcuuw444



## Construction Characteristics

<b>Fibre optic element (A)</b>	Loose tube with 4 multimode optical fibres 50/125 $\mu\text{m}$ with Kevlar reinforcement and polyolefin sheath. 3 mm diameter. Fibre colours: Grey, white, red, black.
<b>Conductors (B)</b>	1,0 mm <sup>2</sup> stranded tinned copper conductor insulated with polyofin. 3 mm diameter. Conductor colours: Blue, black, red, brown. (4 ea.)
<b>Filler (C)</b>	Filler element
<b>Fibre optic element (D)</b>	Loose tube with 4 singlemode optical fibres 9/125 $\mu\text{m}$ with Kevlar reinforcement and polyolefin sheath. 3 mm diameter. Fibre colours: Blue, orange, green, brown.
<b>Inner jacket (E)</b>	Polyurethane jacket. Colour: Red
<b>Strength member (F)</b>	Kevlar braiding
<b>Outer jacket (G)</b>	Polyurethane jacket. Colour red

## Mechanical Characteristics

<b>Diameter</b>	15,50 mm $\pm$ 0,40 mm
<b>Operating temperature</b>	-20°C to 80°C
<b>Weight in air</b>	235 kg/km nom.
<b>Weight in seawater</b>	42 kg/km nom.
<b>Min. breaking strength</b>	15 kN
<b>Min. bending radius</b>	230 mm
<b>Depth rating</b>	3000 metres

## Electrical and Fibre Optical Characteristics

<b>Operating voltage</b>	1000 Vdc
<b>Max. attenuation</b>	3,00 dB at 850 nm for multimode fibres 0,80 dB at 1300 nm for multimode fibres 0,40 dB/km at 1300 nm for singlemode fibres 0,25 dB/km at 1550 nm for singlemode fibres