Electrical/Optical aramidic Cable
rcuuw444

Construction Characteristics

Fibre optic element (A)  Loose tube with 4 multimode optical fibres 50/125 µm with Kevlar reinforcement and polyolefin sheath. 3 mm diameter. Fibre colours: Grey, white, red, black.

Conductors (B)  1.0 mm² stranded tinned copper conductor insulated with polyolefin. 3 mm diameter. Conductor colours: Blue, black, red, brown. (4 ea.)

Filler (C)  Filler element

Fibre optic element (D)  Loose tube with 4 singlemode optical fibres 9/125 µm with Kevlar reinforcement and polyolefin sheath. 3 mm diameter. Fibre colours: Blue, orange, green, brown.

Inner jacket (E)  Polyurethane jacket. Colour: Red

Strength member (F)  Kevlar braiding

Outer jacket (G)  Polyurethane jacket. Colour red

Mechanical Characteristics

Diameter  15.50 mm ±0.40 mm

Operating temperature  -20°C to 80°C

Weight in air  235 kg/km nom.

Weight in seawater  42 kg/km nom.

Min. breaking strength  15 kN

Min. bending radius  230 mm

Depth rating  3000 metres

Electrical and Fibre Optical Characteristics

Operating voltage  1000 Vdc

Max. attenuation  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