

Fibre hybrid Cable Type 3780



Construction characteristics

Fibre optic element	Jelly filled steel tube (1.9 mm OD) with 8 off single mode fibre SMF (9/125) Black polyethylene jacket to a nominal OD of 3.5 mm SM colour white, yellow, green, blue, red, orange, brown, grey
Conductor	1.0 mm ² (18 AWG) stranded tinned copper conductor with double layer of tecnopolymer compound insulation. Nominal OD 2.23 mm (7 each) Colour red, orange, yellow, green, blue, violet, brown
Wrap	Mylar tape
Outer jacket	Polyurethane jacket. Colour red RAL 3000 glossy
European directives	2002/95/CE (RoHS) and 2002/96/CE (WEEE)
Halogen free	Acc. to EN 50267-2-1 – IEC 60754-1

Mechanical characteristics

Diameter	10.5 mm ±0.40 mm
Weight in air	150 kg/km
Weight in seawater	65 kg/km
Min. bending radius, static	105 mm
Min. bending radius, dynamic	158 mm
Depth rating	6,000 m
Operating temperature range	-20°C - +80°C

Electrical and fibre optical characteristics

Operating voltage	3,000 V
Test voltage	6 kVa.c. x 1 minute
Electrical resistance at 20°C	≤ 20.4 Ω/km
Insulation resistance at 20°C	≥ 1,000 MΩ x km
Fibre attenuation	≤ 0.38 dB/km at 1,310 nm ≤ 0.25 dB/km at 1,550 nm