

CRE14246



Issue	Date	Approved	Note
1	17/10/14	PM	Initial release

DESCRIPTION

Bespoke 2 Pair individually screened data cable for use in subsea and industrial environments where enhanced mechanical protection is required.

Product Details (Insulated Cores)

Component Description	Qty	Conductor Stranding	Nominal DCR @ 20oC [Ω/Km]	Weight Kgs/Km]	Nominal Diameter [mm]
0.34mm ² insulated cores	4	7/0.25mm TC	54.8	3.83	1.17mm

CONSTRUCTION

0.34mm² 52Ω Data Pairs

Colours White/Green, Red/Black
 Insulation Polypropylene
 Insulation Diameter 1.17 mm

Cable Assembly

Construction 2 X 2 x 0.34mm² insulated cores cabled in common axis to form 2 Pairs with a 0.22mm² drainwire. The individual pairs are wrapped with an aluminium polyester tape >100% Coverage alum side out.
 Barrier Polyester Tape >100% Coverage
 Outer jacket FRHF Polyurethane 85 Shore 'A' Hardness
 Colour Blue
 Radial Wall Thickness 1.0mm nominal
 Diameter 5.00mm +/-0.3mm

CABLE CHARACTERISTICS

Operating Temperature -30°C to +80°C
 Cable Weight in Air 30.5 Kgs/Km
 Cable Weight in Seawater 10.5 Kgs/Km
 Bend Radius 25mm Static
 50mm Dynamic
 Flammability UL94 V2 Rated
 RoHS Compliant Yes

ELECTRICAL PERFORMANCE

Operating Voltage 300V RMS Max
 Maximum Current@25°C 2.3 Amps
 Impedance 52Ω Nominal
 Capacitance 108 pF/m Nominal
 Velocity of Propagation 66%