



CRE14156

Issue	Date	Approved	Note
1	09/01/14	PM	Initial release

DESCRIPTION

Bespoke individually screened multi-pair composite cable for use in subsea applications.

Product Details (Insulated Cores)

Component Description	Qty	Conductor Stranding	Nom DCR @ 20oC [Ω /Km]	Weight [Kgs/Km]	Nominal Diameter [mm]
1.00 sqmm Insulated Cores	4	32/0.2mm TC	19.0	12.5	2.40mm
0.50 sqmm Insulated Cores	40	16/0.2mm BC	39.0	5.9	1.55mm

CONSTRUCTION

1.0mm² Cores

Colours White, Blue, Red, Black
 Insulation High Density Polyethylene
 Diameter 2.4mm Nominal

0.5mm² TSP's

Colours White/Black Pairs with Coloured Tracers for ID
 Insulation High Density Polyethylene
 Drainwire 16/0.2mm TC
 Screen Aluminium Polyester Foil >100% Coverage
 Binder Adhesive Polyester >100% Coverage
 Diameter 3.25mm Nominal

Cable Assembly

Cable Layer 1 4 x 1.00mm² Cores (White, Blue, Red, Black) LHL
 Cable Layer 2 8 x 0.50mm² White/Black TSP's (1 blue & 1 red tracer + 6 No tracers) RHL
 Cable Layer 3 12 x 0.50 mm² White/Black TSP's (1 blue & 1 red tracer + 10 No tracers)
 + 2 fillers LH Lay
 Binder Polyester Fibre Tape 100% Coverage
 Outer Sheath HF Polyurethane 85 Shore A Hardness
 Colour Blue - RAL5015 or other colour as required
 Radial Wall Thickness 2.20mm nominal
 Diameter 25.0mm +/-0.3mm

CABLE CHARACTERISTICS

Operating Temperature -40°C to +80°C
 Cable Weight in Air 646 Kgs/Km
 Cable Weight in Water 143 Kgs/Km
 Bend Radius Static 5X Diameter
 Bend Radius Dynamic 10X Diameter