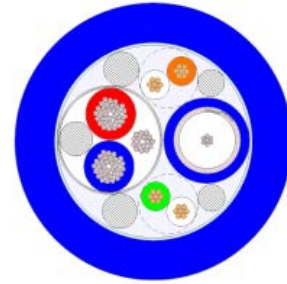


CRE15260



Issue	Date	Approved	Note
1	06/01/15	PM	Initial release

DESCRIPTION

Bespoke multicore camera composite cable for use in subsea applications.

Product Details (Insulated Cores)

Component Description	Qty	Conductor Stranding	Max DCR @ 20oC [Ω/Km]	Weight [Kgs/Km]	Nom Diameter [mm]
0.22sqmm Insulated Core	4	7/0.2mm BC	76	2.7	1.1
1.00 sqmm Insulated Core	2	32/0.2mm TC	19	11.1	1.95
75 Ohm Mini coax	1	7/0.16mm TC	139	2.8	3.2

CONSTRUCTION

0.22mm² Data Pairs [2 off]

Colours White/Orange, White/Green
 Insulation High Density Polyethylene
 Insulation Diameter 1.10mm

1.00mm² Screened Pairs [1 off]

Colours Blue/Red
 Insulation High Density Polyethylene
 Insulation Diameter 1.95mm
 Drainwire 0.5mm² stranded tinned copper
 Screen Aluminium/Polyester Foil, >100% coverage
 Isolation Cross wrapped with bonded polyester tape

75 Ohm Mini coax

Core colour Natural
 Insulation Cellular Polyethylene
 V of P % 78 %
 Dielectric diameter 1.7mm
 Braided Screen 0.1mm TC >95% optical coverage
 Sheath HDPE blue
 Diameter 3.2mm nominal

Cable Assembly

Cable 1 x Screened pair + 2 x Data Pairs + 75 ohm mini coax cabled with fillers to achieve circular profile
 Binder Polyester Tape 100% Coverage
 Outer Sheath Polyurethane 85 Shore 'A' Hardness
 Colour Blue - RAL5015
 Radial Wall Thickness 1.5mm nominal
 Diameter 10.30mm +/-0.3mm

CABLE CHARACTERISTICS

Operating Temperature -40°C to +80°C
 Cable Weight in Air 112 Kgs/Km
 Cable Weight in Water 28 Kgs/Km
 Bend Radius Static 5X Diameter
 Bend Radius Dynamic 10X Diameter