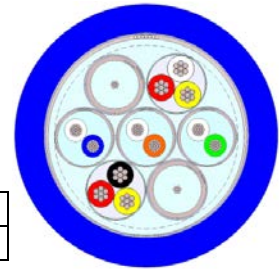


CRE16438



Issue	Date	Approved	Note
1	28/09/16	PM	Initial release

DESCRIPTION

Bespoke Power, data, 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]
0.24mm ² Insulated Core	6	19/0.127mm TC	81.7	2.9	1.3
0.34mm ² Insulated Core	6	7/0.25mm TC	54.4	4.5	1.5
Mini RG59h 75Ω Coaxial	3	7/0.16mm TC	136.0	7.2	2.85

CONSTRUCTION

0.34mm² Triples

Colours	White / Yellow / Red, Black / Yellow / Red
Insulation	Polypropylene
Insulation Diameter	1.50 mm
Lay-up	3 x 0.34mm ² Cores wrapped with polyester tape

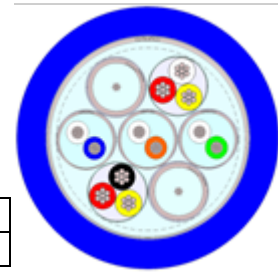
0.24mm² Encapsulated Data Pairs

Colours	White/Green, White/Orange, White/Blue, White/Brown
Insulation	Cellular polyolefin
Insulation Diameter	1.30mm Nominal
Component Bedding	Olefinic based hot melt encapsulate
Component Diameter	3.0mm Nominal
Drainwire	7 ends 0.1mm TC
Foil Screen	Aluminium Polyester Tape >100% Coverage
Isolation	Bonded Polyester Tape

75 Ohm RG59h Coaxial

Core colour	Natural
Insulation	Polyethylene
V of P %	67%
Dielectric diameter	2.85mm
Braided Screen	0.127mm TC >95% optical coverage
Foil Screen	Aluminium Polyester
Isolation	Bonded Polyester
Diameter	3.6mm nominal

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CONSTRUCTION/ cont.

Cable Assembly

Cable	Central 1 x 0.24mm ² TSP with 2 x Mini RG59h, 2 x 0.34mm ² triples and 2 x 0.24mm ² TSP's cabled around to achieve concentric profile
Water Block Bedding	Hot Melt Encapsulate
Diameter	11.0mm nominal
Foil Screen & Drainwire	Aluminium Polyester tape >100% coverage with a longitudinal 7 ends 0.2mm drainwire pulled in under the tape
Outer Sheath	Polyurethane 85 Shore 'A' Hardness
Colour	Blue - RAL5015
Radial Wall Thickness	1.8mm nominal
Diameter	14.8mm +/-0.3mm

CABLE CHARACTERISTICS

Operating Temperature	-40°C to +80°C
Cable Weight in Air	204 Kgs/Km
Cable Weight in Water	32 Kgs/Km
Bend Radius Static	5X Diameter
Bend Radius Dynamic	10X Diameter