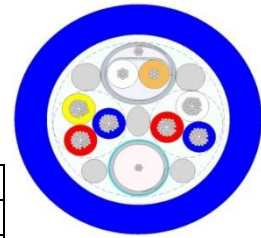


CRE15355-1



Issue	Date	Approved	Note
1	11/10/18	KD	Initial release
2	15/02/19	KD	Improved Specification of TSP

DESCRIPTION

Bespoke 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]
1.00mm ² Insulated Core	6	32/0.2mmTC	19.5	11.5	2.00mm
0.34mm ² Insulated Core	2	7/0.25mm TC	57	4.7	1.85mm
75 Ohm Mini RG59h	1	7/0.16mm TC	139	7.1	2.80mm

CONSTRUCTION

1.00mm² Power Core Triples [2 off]

Conductor	Tinned Copper as per IEC 60228
Colours x 2	White / Blue /Red, Yellow / Blue / Red
Insulation	High Density Polyethylene
Insulation Diameter	2.00mm
Triple Diameter	4.30mm

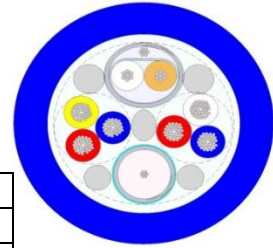
0.34mm² Data Pair

Conductor	Tinned Copper as per IEC 60228
Colours x 2	White / Orange
Insulation	Cellular polyolefin
Insulation Diameter	1.80mm
Isolation	Polyester
Foil Screen	Aluminium Polyester Laminate >100% Coverage (Alum side out)
Drainwire	0.22mm ² 7/0.2mm TC
Braided Screen	0.1mm Tinned Copper
Optical Coverage	>85%
Isolation	Bonded Polyester tape
Diameter	4.4mm nominal
Characteristic Impedance	120 Ω nominal

75 Ohm mini RG59h

Conductor	Tinned Copper as per IEC 60228
Core colour	Natural
Insulation	Polyethylene
V of P %	67%
Dielectric diameter	2.8mm
Braided Screen	0.127mm TC >95% optical coverage
Foil Screen	Aluminium Polyester
Isolation	Bonded Polyester
Diameter	3.5mm nominal

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DESCRIPTION

Bespoke data camera composite cable for use in subsea applications.

Cable Assembly

Cable	Central water blocking filler cabled with 75 Ohm Mini RG59h coax, 1 x 0.34mm ² Screened data pair and 2x1.0mm ² triples with fillers as required achieving concentric profile
Water block Bedding	Olefinic based hot melt encapsulate
Diameter	11.0mm Nominal
Outer Sheath	FRHF PU 85 Shore A Hardness to UL94 V2, Mud & Oil resistant to NEK606
Colour	Blue - RAL5015
Radial Wall Thickness	1.8mm nominal
Diameter	14.6mm +/-0.3mm

CABLE CHARACTERISTICS

Operating Temperature	-40°C to +80°C
Cable Weight in Air	279 Kgs/Km
Cable Weight in Water	108 Kgs/Km
Bend Radius Static	5 x Diameter
Bend Radius Dynamic	10 x Diameter

ENVIRONMENTAL

RoHS Compliant	Yes
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