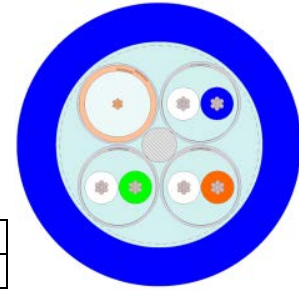


CRE15350



Issue	Date	Approved	Note
1	03/11/15	PM	Initial release

DESCRIPTION

Bespoke data camera composite cable for use in subsea applications requiring Ethernet or RS232 Protocols.

Product Details (Insulated Cores)

Component Description	Qty	Conductor Stranding	Max DCR @ 20oC [Ω/Km]	Weight [Kgs/Km]	Nom Diameter [mm]
0.34sqmm Insulated Core	6	7/0.25mm TC	56	5.2	1.8
RG59h 75 Ohm Coaxial	1	7/0.2mm BC	76	10.8	3.5

CONSTRUCTION

0.34mm² Data Pairs [3 off]

Colours x 2	White / Blue, White / Orange, White / Green
Insulation	High Density Polyethylene
Insulation Diameter	1.80mm
Water block Bedding	Hot Melt Encapsulate
Diameter	4.0mm Nominal
Drainwire	0.1mmTC Multi-strand
Foil Screen	Aluminium Polyester
Isolation	Bonded Polyester
Diameter	4.3mm nominal

75 Ohm RG59h Coaxial

Core colour	Natural
Insulation	Polyethylene
V of P %	67%
Dielectric diameter	3.5mm
Braided Screen	0.15mm BC >95% optical coverage
Foil Screen	Aluminium Polyester
Isolation	Bonded Polyester
Diameter	4.3mm nominal

Cable Assembly

Cable	Central HDPE Filler with RG59h/3 data-pairs to achieve concentric profile
Water block Bedding	Hot Melt Encapsulate
Diameter	11.0mm Nominal
Outer Sheath	Polyurethane 85 Shore 'A' Hardness
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	243 Kgs/Km
Cable Weight in Water	64 Kgs/Km
Bend Radius Static	5X Diameter
Bend Radius Dynamic	10X Diameter