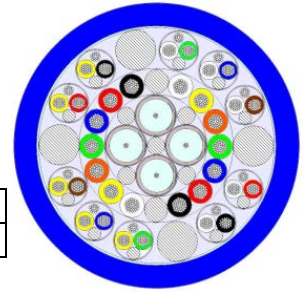


CRE17545



Issue	Date	Approved	Note
1	24/10/17	PM	Initial release

DESCRIPTION

Video / Data / Power & Control Composite for use in subsea applications.

Product Details (Insulated Cores)

Component Description	Qty	Conductor Stranding	Max DCR @ 20oC [Ω/Km]	Weight [Kgs/Km]	Nominal Diameter [mm]
0.75 mm ² Screened Pairs	10	24/0.2mm TC	27	11.5	1.60mm
1.00 mm ² Cores	14	32/0.2mm TC	22	8.0	2.10 mm

CONSTRUCTION

0.75mm² Data Pairs

Colours	White + Green, Blue, Brown, Red, Black 5 x TSP's Yellow + Green, Blue, Brown, Red, Black 5 x TSP's
Insulation	Polypropylene
Insulation Diameter	1.60mm Nominal
Lay-up	With fillers as required
Drainwire	0.50mm ² 16/0.2mm TC
Screen	Aluminium / Polyester Laminate
Coverage	>100%
Isolation	Bonded Polyester layer

1.00mm² Cores

Colours	White, Yellow, Orange, Green, Blue, Red, Black x 2
Insulation	HDPE
Insulation Diameter	2.10mm Nominal

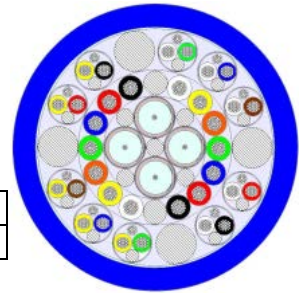
Cable Assembly

Cable Layer 1	4 x RG59h through Dual Tape with fillers as required achieving a uniform and concentric profile and wrapped with Polypropylene Binder
Cable Layer 2	14 x 1.00mm ² cores cabled around layer 1 with fillers as required achieving a uniform and concentric profile & wrapped with Polypropylene Binder
Cable Layer 1	10 x 0.75 TSP's cabled around layer 1 with fillers as required achieving a uniform and concentric profile & wrapped with Polyester Fibre Tape
Bonded Outer Sheath	HF Polyurethane 85 Shore A Hardness
Colour	Blue - RAL5015
Radial Wall Thickness	2.10mm nominal
Diameter	24.00mm +/-0.5mm

CABLE CHARACTERISTICS

Operating Temperature	-40°C to +80°C
Cable Weight in Air	749 Kgs/Km
Cable Weight in Water	295 Kgs/Km
Bend Radius Static	6X Diameter
Bend Radius Dynamic	12X Diameter

CRE17545 (Mini RG59h)



Issue	Date	Approved	Note
1	24/10/17	PM	Initial release

DESCRIPTION

Video / Data / Power & Control Composite for use in subsea applications.
Mini RH59h component

Product Details (Insulated Cores)

Component Description	Qty	Conductor Stranding	DCR @ 20oC [Ω/Km]	Weight [Kgs/Km]	Nominal Diameter [mm]
Mini RG59h 75Ω Coaxial	4	7/0.16mm TC	136.0	7.2	2.85

CONSTRUCTION

75Ω RG 59 style 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

CABLE CHARACTERISTICS

Operating Temperature	-40°C to +80°C	
Cable Weight in Air	50.3 Kgs/Km	
Cable Weight in Sea Water	19.9 Kgs/Km	
Bend Radius	5X Diameter Static 10X Diameter Dynamic	
Characteristic Impedance	75Ω Nominal	
Attenuation	Frequency (MHz)	Nominal Value (dB/100m)
	1	1.61
	5	3.62
	50	11.66
	100	16.66
	200	23.91
	270	28.00
	460	37.18
	860	52.19
	1000	56.70

RoHS compliant