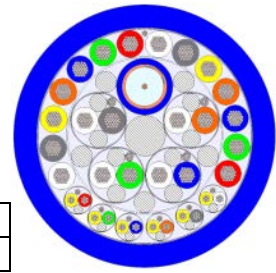


CRE16419



Issue	Date	Approved	Note
1	31/08/16	PM	Initial release

DESCRIPTION

Data / Power / Video 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]
0.34 mm ² Data Pairs	12	7/0.25mm TC	54.8	4.0	1.25mm
1.34 mm ² Data Pairs	8	30/0.24mm TC	14.8	15.7	2.51 mm
1.34 mm ² Power Cores	14	30/0.24mm TC	14.8	15.7	2.51 mm

CONSTRUCTION

0.34mm² RS232 Data Pairs

Colours	See Table 1
Insulation	HDPE
Insulation Diameter	1.25mm Nominal
Drainwire	0.34mm ² 7/0.25mm TC
Foil Screen	Aluminium Polyester Laminate
Coverage	>100%
Isolation	Bonded Polyester Layer

TABLE 1.

PAIR	Wire A	Wire B
1	YELLOW	WHITE
2		GREY
3		ORANGE
4		BLUE
5		GREEN
6		RED

1.34mm² Data Pairs

Colours	White / Orange, White / Blue, White / Green, White / Grey
Insulation	HDPE
Insulation Diameter	2.51mm 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

1.34mm² Power Cores

Colours	See Table 2
Insulation	HDPE
Insulation Diameter	2.51mm Nominal

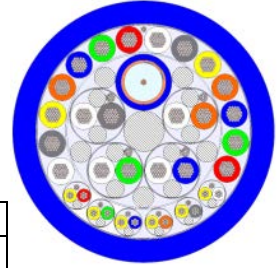
TABLE 2.

POWER CORES	
2 X	WHITE
2 X	GREY
2 X	YELLOW
2 X	ORANGE
2 X	BLUE
2 X	GREEN
2 X	RED

Video Coax

Type	Reference CRE16419 (RG59h) for details
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CRE16419



Issue	Date	Approved	Note
1	31/08/16	PM	Initial release

DESCRIPTION

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

Cable Assembly

Cable Layer 1	1 x RG59h & 4 x 1.34mm ² Data Pairs cabled around a central filler with additional fillers as required to achieve a uniform and concentric profile
Cable Layer 2	14 x 1.34mm ² Power Cores & 6 x 0.34mm ² RS232 Data Pairs cabled around layer 1 to achieve a uniform and concentric profile
Drainwires	1 x 0.34mm ² 7/0.25mm TC
Foil Screen	Aluminium Polyester Foil
Coverage	> 100%
Bonded Outer Sheath	HF Polyurethane 85 Shore A Hardness
Colour	Blue - RAL5015
Radial Wall Thickness	2.10mm nominal
Diameter	24.0mm +/-0.4mm

CABLE CHARACTERISTICS

Operating Temperature	-40°C to +80°C
Cable Weight in Air	743 Kgs/Km
Cable Weight in Water	284 Kgs/Km
Bend Radius Static	6X Diameter
Bend Radius Dynamic	12X Diameter