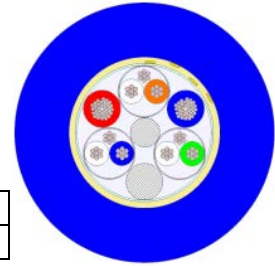


# CRE14241



Issue	Date	Approved	Note
1	18/11/14	PM	Initial release

## DESCRIPTION

Data & Power composite cable 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]
1.00mm <sup>2</sup> Power Cores	2	32/0.2mm TC	22.0	11.5	2.10mm
0.34mm <sup>2</sup> Screened Pair Cores	6	7/0.25mm TC	56.0	4.2	1.35mm

## CONSTRUCTION

### **0.34mm<sup>2</sup> Screened Pairs**

Colours	Red / White, Red / Yellow, Red / Green
Insulation	HDPE
Insulation Diameter	1.35mm Nominal
Drain wire	0.34 mm <sup>2</sup> TC
Foil Screen	Aluminium Polyester Foil > 100% Coverage
Barrier	Bonded Polyester Tape >100% Coverage
Component Diameter	2.85mm Nominal

### **1.00mm<sup>2</sup> Power Cores**

Colours	Blue, Red
Insulation	HDPE
Insulation Diameter	2.10mm Nominal

### **Cable Assembly**

Cable Lay up	3 x Screened Pairs + 2 x Power cores around central filler with additional fillers as required.
Binder	Polyester Tape 100% Coverage
Strain Relief	Vectran Braid
Breaking Strain	900Kgs
SWL	300Kgs
Barrier	Non-woven polyester fibre tape
Outer Sheath	HF Polyurethane 85 Shore A Hardness
Colour	Blue - RAL5015
Radial Wall Thickness	2.75mm nominal
Diameter	14.1mm +/-0.4mm

## CABLE CHARACTERISTICS

Operating Temperature	-40°C to +80°C
Cable Weight in Air	197 Kgs/Km
Cable Weight in Water	39 Kgs/Km
Bend Radius Static	6X Diameter
Bend Radius Dynamic	12X Diameter