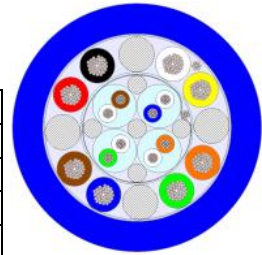


# CRE15308-4



Issue	Date	Approved	Note
1	24/06/15	PM	Initial release
2	03/07/15	PM	Remove Aramid braid
3	06/08/15	PM	Upgrade for enhanced depth rating
4	15/02/18	PM	Revised data pair design

## 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]
1.00 mm <sup>2</sup> Power Cores	8	32/0.2mm TC	22.0	11.5	2.10mm
0.24mm <sup>2</sup> Data Pairs	8	19/0.127mm BC	76.8	2.9	1.25mm

## CONSTRUCTION

### **0.24mm<sup>2</sup> Ethernet Data Pairs**

Colours	White / Orange, White / Blue, White / Green, White / Brown
Insulation	Cellular Polyolefin
Insulation Diameter	1.25mm Nominal
Component Bedding	Olefinic based elastomer
Component Diameter	2.80mm Nominal

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

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

### **Cable Assembly**

Cable Layer 1	4 x AWG24 DATA Pairs with Nylon Reinforcing fillers as required
Barrier	Polyester Tape >100% Coverage
Drainwire	7/0.2mm TC
Foil Screen	Aluminium Polyester Foil > 100% Coverage
Binder	Water swellable tape 100% Coverage
Cable Layer 2	8 x Power cores with Nylon reinforcing fillers as required.
Drainwire	7/0.2mm TC
Foil Screen	Aluminium Polyester Foil > 100% Coverage
Binder	Water swellable tape 100% Coverage
Sheath	HF Polyurethane 85 Shore A. Hardness
Colour	Blue - RAL5015
Radial Wall Thickness	2.5mm nominal
Diameter	16.2mm +/-0.3mm

## CABLE CHARACTERISTICS

Operating Temperature	-40°C to +80°C
Cable Weight in Air	296 Kgs/Km
Cable Weight in Water	88 Kgs/Km
Bend Radius Static	7X Diameter
Bend Radius Dynamic	15X Diameter