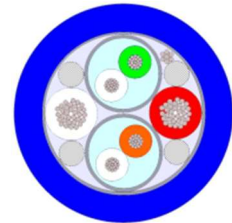


# CRE13097-4

Issue	Date	Approved	Note
1	14/08/13	PM	Initial release
2	05/05/16	PM	Upgrade to 6K depth rating
3	21/02/18	PM	Revise 0.24 sqmm to Bare Copper
4	02/05/19	PM	Colour code on data pairs changed



## DESCRIPTION

Bespoke multicore interconnect cable for data communications and power used in subsea and similar applications.

### Product Details (Insulated Cores)

Component Description	Qty	Conductor Stranding	Nominal DCR @ 20oC [ $\Omega$ /Km]	Weight Kgs/Km]	Nominal Diameter [mm]
1.00 sqmm Insulated Core	2	32/0.2mm BC	18.8	11.5	2.1mm
0.24 sqmm insulated core	4	19/0.127mm BC	84.1	2.6	1.25mm

## CONSTRUCTION

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

Colours White, Red  
 Insulation High Density Polyethylene  
 Insulation Diameter 2.10 mm

### 0.24mm<sup>2</sup> Ethernet Twisted Pairs

Colours white/green, white/ orange  
 Insulation Cellular Polyolefin  
 Insulation Diameter 1.25 mm  
 Bedding Hot Melt encapsulate  
 Foil Screen Aluminium polyester (alum side out)

### Cable Assembly

Construction 2 x 1.00mm<sup>2</sup> cores + 2 x 0.24mm<sup>2</sup> Data Pairs cabled together with fillers as required to maintain a concentric circular profile.  
 Lay direction Left Hand  
 Drainwire 1 x 0.22mm<sup>2</sup> Tinned Copper  
 Screen Aluminium Polyester Foil 100% Coverage  
 Outer jacket Polyurethane 85 Shore 'A' Hardness  
 Colour Blue  
 Radial Wall Thickness 1.3mm nominal  
 Diameter 9.0mm +/-0.3mm

## CABLE CHARACTERISTICS

Operating Temperature -40°C to +80°C  
 Cable Weight in Air 94 Kgs/Km  
 Cable Weight in Seawater 28 Kgs/Km  
 Bend Radius 5 X Diameter Static  
 10 x Diameter Dynamic