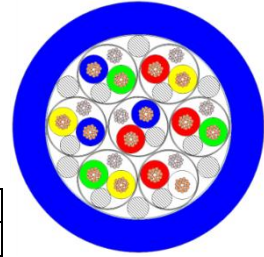


# CRE13110



Issue	Date	Approved	Note
1	19/09/13	PM	Initial release

## DESCRIPTION

Bespoke seven individually screened twisted pair cable for data communications used in subsea and similar applications.

## Product Details

Component Description	Qty	Conductor Stranding	Nominal DCR @ 20oC [Ω/Km]	Weight Kgs/Km]	Nominal Diameter [mm]
0.50 sqmm Insulated Core	14	16/0.2mm BC	37.0	6.3	1.70mm

## CONSTRUCTION

### **0.50mm<sup>2</sup> TSP**

Colours	Red/Blue, Red/Yellow, Red/Green, Red/White, Green/Yellow, Blue/Yellow, Blue/Green
Insulation	High Density Polyethylene
Insulation Diameter	1.70mm
Drainwire	0.5mm <sup>2</sup> Tinned Copper + Filler
Screen	Aluminium Polyester Foil
Binder	Polyester

### **Cable Assembly**

Construction	2 x 0.50mm <sup>2</sup> Data Pairs cabled together with additional fillers as required maintaining a concentric circular profile.
Lay direction	Left Hand
Screen	Aluminium Polyester Foil 100% Coverage
Outer jacket	Polyurethane 85 Shore 'A' Hardness
Colour	Blue
Radial Wall Thickness	1.5mm nominal
Diameter	14.5mm +/-0.5mm

## CABLE CHARACTERISTICS

Operating Temperature	-40°C to +80°C
Cable Weight in Air	202 Kgs/Km
Cable Weight in Seawater	36 Kgs/Km
Minimum Bend Radius	7 x Diameter [Static] 10 x Diameter [Dynamic]

## ENVIRONMENTAL

RoHS Compliant	Yes
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