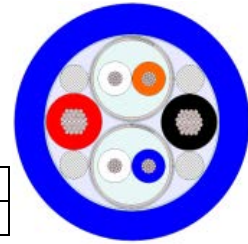


# CRE17549



Issue	Date	Approved	Note
1	30/10/17	PM	Initial release

## DESCRIPTION

Bespoke multicore interconnect cable for CANBUS 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]
1.50 sqmm Insulated Core	2	30/0.25mm TC	18.8	11.5	3.0mm
0.34 sqmm insulated core	4	19/0.15mm TC	84.1	2.6	1.80mm

## CONSTRUCTION

### 1.50mm<sup>2</sup> Cores

Colours	Red, Black
Insulation	High Density Polyethylene
Insulation Diameter	3.00 mm

### 0.34mm<sup>2</sup> CANBUS Twisted Pairs

Colours	White/ Orange, White/Blue
Insulation	High Density Polyethylene
Insulation Diameter	1.80 mm
Bedding	Elastomer based Hot Melt Encapsulate
Shield	0.1mm Tinned Copper
Optical Coverage	>90%
Foil Screen	Aluminium Polyester Tape >100% Coverage
Isolation	Bonded Polyester

### Cable Assembly

Construction	2 x 0.34mm <sup>2</sup> CANBUS Pairs +2 x 1.50mm <sup>2</sup> cores cabled with fillers as required maintain a concentric circular profile.
Barrier Tape	Non-woven Polyester > 100% Coverage
Outer jacket	Polyurethane 85 Shore 'A' Hardness
Colour	Blue
Radial Wall Thickness	1.6mm nominal
Diameter	12.5mm +/-0.3mm

## CABLE CHARACTERISTICS

Operating Temperature	-40°C to +80°C
Cable Weight in Air	68 Kgs/Km
Cable Weight in Seawater	27 Kgs/Km