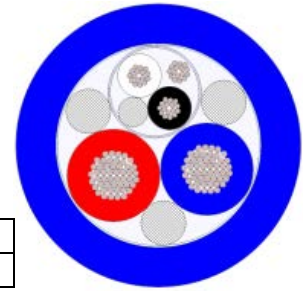


# CRE14245



Issue	Date	Approved	Note
1	26/02/16	PM	Initial release

## DESCRIPTION

Power & Data composite cable for use in marine environments

### Product Details (Insulated Cores)

Component Description	Qty	Conductor Stranding	DCR @ 20oC [Ω/Km]	Weight [Kgs/Km]	Nominal Diameter [mm]
0.5 sqmm insulated core	2	16/0.2mm TC	39	6.3	1.70
2.5 sqmm insulated core	2	50/0.25mm TC	7.98	29.7	3.60

## CONSTRUCTION

### 0.5mm<sup>2</sup> Twisted Screened Pair (TSP)

Colours	White/Black
Insulation	HDPE
Insulation Diameter	1.70mm
Drainwire	16/0.2mm TC with fillers as required
Shield	>100% Aluminium Polyester Foil Screen
Isolation	>100% Bonded polyester tape

### 2.5mm<sup>2</sup> Power Cores

Colours	blue, red
Insulation	HDPE
Insulation Diameter	3.60mm

### Cable Assembly

Cable Layer 2	1 x 0.5mm <sup>2</sup> TSP's & 2 x 2.5mm <sup>2</sup> power cores cabled with fillers as required
Binder	>100% Coverage Polyester Tape
Jacket	Polyurethane 85 Shore 'A' Hardness
Colour	Blue
Radial Wall Thickness	1.6 mm nominal
Diameter	11.0mm +/-0.4mm

## CABLE CHARACTERISTICS

Operating Temperature	-40°C to +80°C
Cable Weight in Air	148 Kgs/Km
Cable Weight in Sea Water	51 Kgs/Km
Bend Radius Static	5X Diameter
Bend Radius Dynamic	10X Diameter

## RoHS compliant