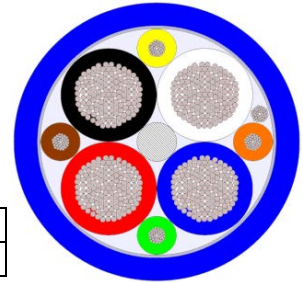


# CRE17501



Issue	Date	Approved	Note
1	17/05/17	PM	Initial release

## DESCRIPTION

Low Voltage Power, Signal Composite Cable for use in Marine applications.

### Product Details (Insulated Cores)

Component Description	Qty	Conductor Stranding	Max DCR @ 20oC [ $\Omega$ /Km]	Weight [Kgs/Km]	Nominal Diameter [mm]
1.00 mm <sup>2</sup> Signal Cores	4	32/0.2mm TC	22.0	14.5	2.90mm
16.00 mm <sup>2</sup> Power Cores	4	126/0.4mm TC	1.20	168.4	7.20mm

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

Colours	Yellow, Orange, Green, Brown
Insulation	HDPE
Radial	0.8mm
Insulation Diameter	2.90mm Nominal

#### 16.00mm<sup>2</sup> Power Cores

Colours	White, Blue, Red, Black
Insulation	HDPE
Radial	1.0mm
Insulation Diameter	7.20mm Nominal

#### Cable Assembly

Cable Lay-up	4x1.00mm <sup>2</sup> Signal Cores cabled into the interstice of the 4x16.00mm <sup>2</sup> Power cores around a central filler.
Barrier	Polyester tape >100% Coverage
Drainwire	30/0.2mm Tinned Copper
Screen	Aluminium Polyester Laminate > 100% Coverage
Sheath	HF Polyurethane 85 Shore A Hardness
Colour	Blue - RAL5015
Radial Wall Thickness	2.00mm nominal
Diameter	21.5mm +/-0.5mm

#### CABLE CHARACTERISTICS

Operating Temperature	-40°C to +80°C
Cable Weight in Air	905 Kgs/Km
Cable Weight in Water	530 Kgs/Km
Bend Radius Static	7X Diameter
Bend Radius Dynamic	15X Diameter