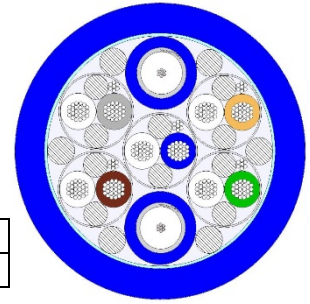


# CRE17514



Issue	Date	Approved	Note
1	16/01/18	KD	Initial release

## DESCRIPTION

Bespoke power, data and video composite cable for use in marine applications.

## Product Details (Insulated Cores)

Component Description	Qty	Conductor Stranding	Max DCR @ 20oC [Ω/Km]	Weight [Kgs/Km]	Nominal Diameter [mm]
75Ω Video Coaxial	2	7/0.16mm TC	139	16.5	3.6mm
0.75mm <sup>2</sup> Insulated Core	10	24/0.2mm TC	27	8.5	1.8mm

## CONSTRUCTION

### 75Ω Video Coax

Core colour	Natural
Insulation	Cellular Polyethylene
V of P %	78 %
Dielectric diameter	1.7mm
Braided Screen	0.1mm TC >95% optical coverage
Sheath	HDPE blue
Diameter	3.6mm nominal

### 0.75mm<sup>2</sup> TSP's

Insulation	High Density Polyethylene
Insulation Diameter	1.8mm
Colours	To BS5308 Pt 2 Table 2
Drainwire	0.22mm <sup>2</sup> Tinned Copper
Screen	Aluminium Polyester Foil
Isolation	Bonded Polyester

Pair No:	A – wire	B – wire
1	White	Blue
2	White	Orange
3	White	Green
4	White	Brown
5	White	Grey

### Cable Assembly

Core	1 off 0.75mm <sup>2</sup> TSP
Layer I	2 off 75Ω Video Coax with 4 off 0.75mm <sup>2</sup> TSP's cabled around core
Binder	Polyester Tape >100% coverage
Outer Sheath	Polyurethane 85 Shore 'A' Hardness
Colour	Blue
Radial Wall Thickness	1.7mm nominal
Diameter	14.5mm +/- 0.5mm

## CABLE CHARACTERISTICS

Operating Temperature	-40°C to +80°C
Cable Weight in Air	249 Kgs/Km
Cable Weight in Water	84 Kgs/Km
Bend Radius Static	6X Diameter
Bend Radius Dynamic	10X Diameter