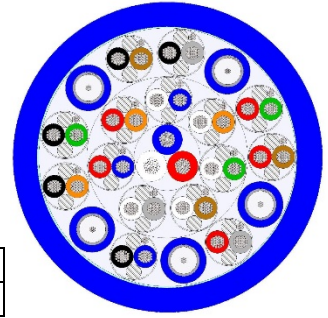


CRE17516



Issue	Date	Approved	Note
1	29/06/17	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]
75 Ω Video Coaxial	5	7/0.16mm TC	139	16.5	3.6mm
1.0mm ² Insulated Core	3	32/0.2mm TC	22	12.5	2.4mm
0.75mm ² Insulated Core	30	24/0.2mm TC	27	8.5	1.8mm

CONSTRUCTION

75 Ω 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

0.75mm² TSP's

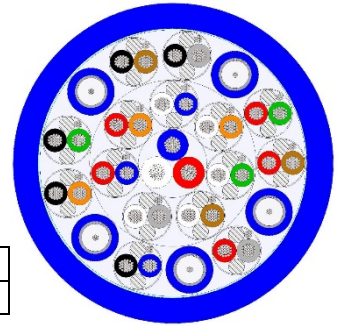
Insulation	High Density Polyethylene
Insulation Diameter	1.8mm
Colours	To BS5308 Pt 2 Table 2
Drainwire	0.22mm ² Tinned Copper
Screen	Aluminium Polyester Foil
Isolation	Bonded Polyester

1.0mm² Cores

Insulation	High Density Polyethylene
Insulation Diameter	2.4mm
Colours	Red/White/Blue

Pair No:	A – wire	B – wire
1	White	Blue
2	White	Orange
3	White	Green
4	White	Brown
5	White	Grey
6	Red	Blue
7	Red	Orange
8	Red	Green
9	Red	Brown
10	Red	Grey
11	Black	Blue
12	Black	Orange
13	Black	Green
14	Black	Brown
15	Black	Grey

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DESCRIPTION

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

Cable Assembly

Core	3 off 1.0mm ² insulated cores cabled to form concentric core.
Binder	Polyester Tape >100% coverage
Layer I	7 off 0.75mm ² TSP's cabled around core
Binder	Polyester Tape >100% coverage
Layer II	5 off 75Ω Video Coax with 8 off 0.75mm ² TSP's cabled around Layer I
Binder	Polyester Fibre Tape >100% coverage
Outer Sheath	HF Polyurethane 85 Shore A Hardness
Colour	Blue
Radial Wall Thickness	2.0/mm nominal
Diameter	24.2mm +/- 0.5mm

CABLE CHARACTERISTICS

Operating Temperature	-40°C to +80°C
Cable Weight in Air	676 Kgs/Km
Cable Weight in Water	216 Kgs/Km
Bend Radius Static	6X Diameter
Bend Radius Dynamic	10X Diameter