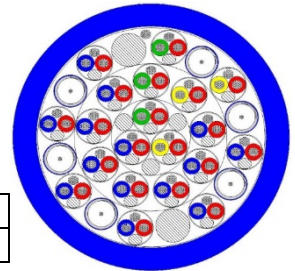


CRE17565



Issue	Date	Approved	Note
1	11/01/18	KD	Initial Release

DESCRIPTION

Bespoke multicore composite signal cable for use in marine applications.

Product Details (Insulated Cores)

Component Description	Qty	Conductor Stranding	Max DCR @ 20oC [Ω /Km]	Weight [Kgs/Km]	Nom Diameter [mm]
0.75 sqmm Insulated Core	40	24/0.2mm TC	26	8.6	1.8
75 Ohm Mini coax	6	7/0.16mm TC	139	2.8	3.5

CONSTRUCTION

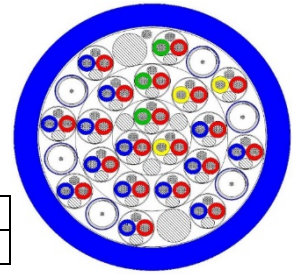
0.75mm² Twisted Screened Pairs (TSP's) - (20 off)

Colours	3 x Red/Yellow, 3 x Red/Green, 14 x Red/Blue
Insulation	High Density Polyethylene
Insulation Diameter	1.80mm
Drainwire	24/0.20mm Tinned Copper
Screen	Aluminium / Polyester
Coverage	>100%
Isolation	Bonded Polyester

Depth Tolerant 75 Ohm Mini coax(6)

Core colour	Natural
Insulation	Polyethylene
V of P %	67 %
Dielectric diameter	2.85mm
Braided Screen	0.127mm TC >95% optical coverage
Isolation	Bonded Polyester layer
Diameter	3.5mm nominally

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Cable Assembly

Cable Layer 1	3 x 0.75mm ² TSP's Cabled together with fillers as required
Binder	Polyester Tape 100% Coverage
Cable Layer 2	9 x 0.75mm ² TSP's Cabled around layer 1
Binder	Polyester Tape 100% Coverage
Cable Layer 3	8 x 0.75mm ² TSP's with 6 x 75Ω mini coaxes cabled around layer 2 with fillers as required
Binder	Polyester Tape 100% Coverage
Drainwire	0.5mm ² Stranded tinned copper
Foil Screen	Alum/Polyester Laminate 100% Coverage
Outer Sheath	Polyurethane 85 Shore 'A' Hardness
Colour	Blue - RAL5015
Radial Wall Thickness	2.5mm nominal
Diameter	29.0mm +/-0.5mm

CABLE CHARACTERISTICS

Operating Temperature	-40°C to +80°C
Cable Weight in Air	998 Kgs/Km
Cable Weight in Water	339 Kgs/Km
Bend Radius Static	6X Diameter
Bend Radius Dynamic	12X Diameter
Depth Rating	>3000 Metres