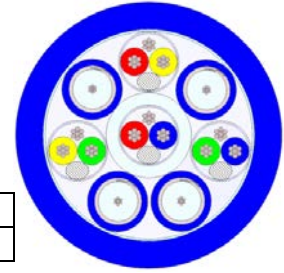


CRE14224



Issue	Date	Approved	Note
1	02/09/14	PM	Initial release

DESCRIPTION

Bespoke multicore composite cable for use in video marine applications.

Product Details (Insulated Cores)

Component Description	Qty	Conductor Stranding	Max DCR @ 20oC [Ω/Km]	Weight [Kgs/Km]	Nom Diameter [mm]
0.34 sqmm Insulated Core	8	7/0.25mm TC	54	4.5	1.5
75 Ohm Mini coax	4	7/0.16mm TC	139	2.8	3.2

CONSTRUCTION

0.34mm² Twisted Screened Pairs with Jacket (TSPJ) - (1 off)

Colours	Red, Blue
Insulation	High Density Polyethylene
Insulation Diameter	1.50mm
Drainwire	7/0.25mm Tinned Copper
Screen	Aluminium / Polyester
Coverage	>100%
Jacket	HDPE Natural
Diameter	4.50mm

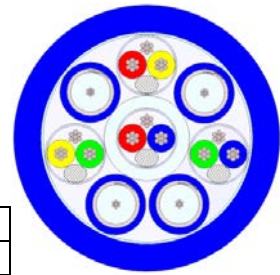
0.34mm² Twisted Screened Pairs (TSP's) - (3 off)

Colours	Red / Yellow, Green/Blue, Green/Yellow
Insulation	High Density Polyethylene
Insulation Diameter	1.50mm
Drainwire	7/0.25mm Tinned Copper
Screen	Aluminium / Polyester
Coverage	>100%
Isolation	Bonded Polyester

75 Ohm Mini 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	3.2mm nominally

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Bespoke multicore composite cable for use in video marine applications.

Cable Assembly

Cable Lay-up	3 x 0.34mm ² TSP's with 4 x 75Ω mini coaxes cabled around a central 0.34mm ² TSPJ to achieve concentric profile
Binder	Polyester Tape 100% Coverage
Outer Sheath	Polyurethane 85 Shore 'A' Hardness
Colour	Blue - RAL5015
Radial Wall Thickness	1.5mm nominal
Diameter	14.0mm +/-0.5mm

CABLE CHARACTERISTICS

Operating Temperature	-40°C to +80°C
Cable Weight in Air	202 Kgs/Km
Cable Weight in Water	47 Kgs/Km
Bend Radius Static	6X Diameter
Bend Radius Dynamic	12X Diameter