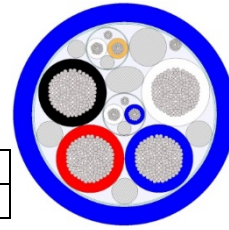


CRE19718



Issue	Date	Approved	Note
1	29/04/19	KD	Initial release

DESCRIPTION

Power and Signal 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]
1.00 mm ² Signal Cores	4	32/0.2mm TC	22.0	11.5	2.10mm
16.00 mm ² Power Cores	4	126/0.4mm TC	1.20	169.5	7.56mm

1.00mm² Signal Pairs

Pair Colours	White/Blue, White/Orange
Insulation	HDPE
Radial	0.4mm
Insulation Diameter	2.10mm Nominal
Drainwire	0.5mm ² 16/0.2mm Tinned Copper
Foil Screen	Aluminium Polyester Laminate > 100% Coverage
Barrier	Bonded polyester tape

16.00mm² Power Cores

Colours	White, Blue, Red, Black
Insulation	HDPE
Radial	1.0mm
Insulation Diameter	7.56mm Nominal

Cable Assembly

Cable Lay-up	2 x 1.00mm ² Signal Screened Pairs cabled together with 4 x 16.00mm ² Power cores and fillers as required.
Isolation	Polyester tape >100% Coverage
Drainwire	1.0mm ² 32/0.2mm 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	22.4mm +/-0.5mm

CABLE CHARACTERISTICS

Operating Temperature	-40°C to +80°C
Cable Weight in Air	954 Kgs/Km
Cable Weight in Water	560 Kgs/Km
Bend Radius Static	7X Diameter
Bend Radius Dynamic	15X Diameter

ENVIRONMENTAL

RoHS Compliant	Yes
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