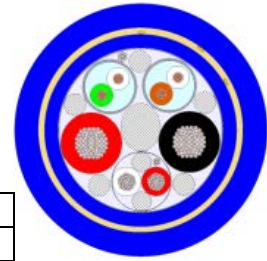


CRE19746



Issue	Date	Approved	Note
1	17/7/19	KD	Initial release

DESCRIPTION

Power, Data & 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]
0.24mm ² Insulated Cores	4	19/0.127mm BC	76.8	2.9	1.25mm
0.50mm ² Insulated Cores	2	16/0.20mm TC	38.0	6.0	1.60mm
2.00mm ² Insulated Cores	2	41/0.25mm TC	9.4	24.9	3.35mm

CONSTRUCTION

0.24mm² Encapsulated Data Pairs

Colours	White/Orange, White/Green
Insulation	Cellular Polyolefin
Insulation Diameter	1.25mm Nominal
Component Bedding	Olefinic based hot melt encapsulate
Component Diameter	2.80mm Nominal
Foil Screen	Aluminium polyester Tape

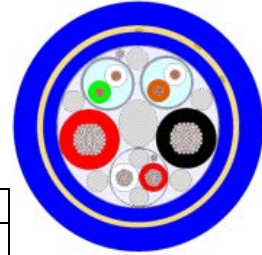
0.5mm² TSP

Conductor	Tinned Copper as per IEC 60228 Class 5
Colours	White/Red
Insulation	High Density Polyethylene
Radial Thickness	0.34mm nominal
Insulation Diameter	1.60mm nominal
Lay-up	2 x 0.5mm ² cores cabled together with 2 x Fillers
Drainwire	7/0.2mm Tinned Copper
Foil Screen	Aluminium/Polyester Laminate >100% Coverage
Isolation	Bonded polyester

2.0mm² Power Cores

Conductor	Tinned Copper as per IEC 60228
Colours	Red, Black
Insulation	High Density Polyethylene
Radial Thickness	0.76mm nominal
Insulation Diameter	3.35mm nominal

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DESCRIPTION

Power, Data & Signal composite cable for use in Marine applications.

Cable Assembly

Cable Layer 1	2 x 2.0mm ² cores + 1 x 0.5mm ² TSP + 2 x 0.24mm ² Data Pairs cabled around a central filler to maintain a concentric circular profile. Fillers added as required.
Drainwire	7/0.2mm Tinned Copper
Foil Screen	Aluminium/Polyester laminate >100% coverage
Inner Sheath	FRHF PU 85 Shore A Hardness to UL94 V2, Mud & Oil resistant to NEK606
Radial Wall Thickness	0.8mm Nominally
Braided Strain Relief	Embedded Vectran, BS > 150Kgs
Outer sheath	FRHF PU 85 Shore A Hardness to UL94 V2, Mud & Oil resistant to NEK606
Radial Wall Thickness	1.4mm Nominally
Colour	Blue
Diameter	14.2mm +/-0.5mm

CABLE CHARACTERISTICS

Operating Temperature	-40°C to +80°C
Cable Weight in Air	194 Kgs/Km
Cable Weight in Water	34 Kgs/Km
Bend Radius Static	7X Diameter
Bend Radius Dynamic	15X Diameter

ENVIRONMENTAL

RoHS Compliant	Yes
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