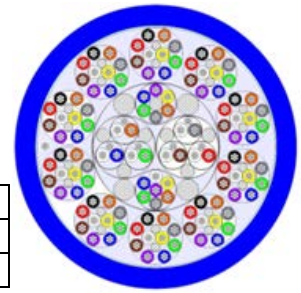


CRE19707-2



Issue	Date	Approved	Note
1	06/03/19	KD	Original Design
2	01/04/19	PM	Revised product layout

DESCRIPTION

Multicore screened power and data cable for use in Marine applications.

Product Details (Insulated Cores)

Component Description	Qty	Conductor Stranding	Maximum DCR @ 20oC [Ω /Km]	Weight Kgs/Km]	Nominal Diameter [mm]
0.34mm ² Insulated Cores	113	7/0.254mm TC	56.0	3.84	1.20mm
0.34mm ² Twisted Pair Cores	12	7/0.254mm TC	56.0	3.93	1.25mm

CONSTRUCTION

0.34mm² Screened Pairs (6 off) with 6 & 7 Core 0.34mm² Bundles

Insulation	Polypropylene
Nominal diameter	1.25mm
Pair Colours	See Table
Drainwire	0.34mm ² 7/0.254mm Tinned Copper
Foil Screen	Aluminium/Polyester Tape >100% coverage
Isolation	Bonded polyester tape
Lay-up (Screened pair bundle)	3 x 0.34mm ² screened pairs with fillers as required to form a circular profile.
Component diameter	5.65mm nominal

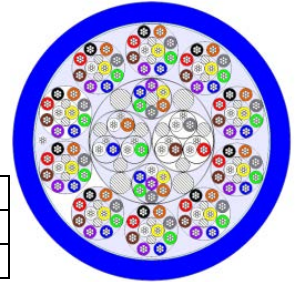
TSP Colour codes	
White	Blue
White	Orange
White	Green
White	Brown
White	Grey
White	Red

0.34mm² Bundled cores

Insulation	Polypropylene
Diameter	1.20mm
Core colours	See table
Lay-up (10 core bundle).	10 x 0.34mm ² cores cabled together to form a circular profile Coloured tracer added for unique identification.
Isolation	Polyester tape >100% coverage
Component diameter	5.2mm nominal

Colour codes	
1	White
2	Yellow
3	Orange
4	Grey
5	Green
6	Blue
7	Violet
8	Brown
9	Red
10	Black

CRE19707-2



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DESCRIPTION

Multicore screened power and data cable for use in Marine applications.

Cable Assembly

Construction

Layer 1	2 x Screened pair bundles cabled together cabled together with 6 & 7 Core Bundles with fillers as required forming a circular central core
Layer 2	10 x 10 core bundles cabled around layer 1 forming circular profile
Drainwire	0.5mm ² (16/0.2mm Tinned copper)
Foil Screen	Aluminium/Polyester laminate >100% coverage
Outer jacket	Polyurethane 85 Shore 'A' Hardness
Colour	Blue
Radial Wall Thickness	2.0mm nominal
Diameter	25.0mm +/-0.5mm

CABLE CHARACTERISTICS

Operating Temperature	-40°C to +80°C
Cable Weight in Air	730 Kgs/Km
Cable Weight in Seawater	230 Kgs/Km
Bend Radius Static	6 X Diameter
Bend Radius Dynamic	12 X Diameter

ENVIRONMENTAL

RoHS Compliant	Yes
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