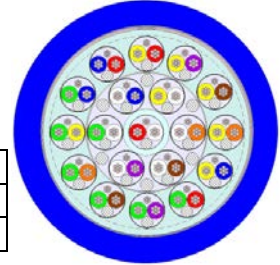


CRE14176-2



Issue	Date	Approved	Note
1	12/03/14	PM	Initial release
2	13/02/16	PM	Upgrade design for 3K depth rating

DESCRIPTION

Individually screened multi-pair composite cable for use in marine applications.

Product Details (Insulated Cores)

Component Description	Qty	Conductor Stranding	Nom DCR @ 20oC [Ω /Km]	Weight [Kgs/Km]	Nominal Diameter [mm]
0.34 mm ² Insulated Cores	38	7/0.25mm TC	56.0	4.2	1.30mm

CONSTRUCTION

0.34mm² TSP's

Colours	see table 1
Insulation	High Density Polyethylene
Drainwire	7/0.2mm TC
Screen	Aluminium Polyester Foil >100% Coverage
Isolation	Bonded Polyester >100% Coverage
Diameter	2.8mm Nominal

TABLE 1 COLOUR CODE & CABLE SEQUENCE		
LAYER	COLOUR 1	COLOUR 2
CENTRE	WHITE	RED
LAYER 1	WHITE	YELLOW
	WHITE	ORANGE
	WHITE	BROWN
	WHITE	VIOLET
	WHITE	GREEN
	WHITE	BLUE
LAYER 2	YELLOW	RED
	YELLOW	VIOLET
	YELLOW	BROWN
	YELLOW	ORANGE
	YELLOW	BLUE
	GREEN	RED
	GREEN	VIOLET
	GREEN	BROWN
	GREEN	ORANGE
	GREEN	YELLOW
	GREEN	BLUE
	BLUE	RED

Cable Assembly

Centre	1 x 0.34mm ² TSP with Clear PE Sheath
Cable Layer 2	6 x 0.34mm ² TSP's RH Lay
Cable Layer 3	12 x 0.34 mm ² TSP's LH Lay
Bedding	Hot Melt Encapsulate
Shield	Aluminium Polyester Foil with Drainwire
Outer Sheath	HF Polyurethane 85 Shore A Hardness
Colour	Blue - RAL5015 or other colour as required
Radial Wall Thickness	2.00mm nominal
Diameter	19.8mm +/-0.4mm

CABLE CHARACTERISTICS

Operating Temperature	-40°C to +80°C
Cable Weight in Air	438 Kgs/Km
Cable Weight in Water	127 Kgs/Km
Bend Radius Static	5X Diameter
Bend Radius Dynamic	10X Diameter