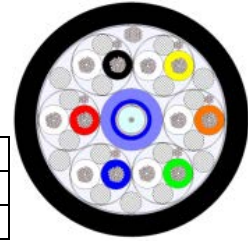


# CRE16396



Issue	Date	Approved	Note
1	09/06/16	PM	Initial release
2	20/07/16	PM	Change sheath compound to PU Grade

## DESCRIPTION

Multi-pair signal/control/Video 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]
75Ω Video Coaxial	1	7/0.16mm TC	139	2.8	1.7mm
0.75mm <sup>2</sup> Insulated Core	12	24/0.2mm TC	26.7	14.1	2.35mm

## CONSTRUCTION

### 75Ω Video Coax (Item 1)

Core colour	Natural
Insulation	Cellular Polyethylene
V of P %	78 %
Dielectric diameter	1.7mm
Braided Screen	0.1mm TC >95% optical coverage
Bedding	HDPE blue
Diameter	3.2mm nominal
Sheath	XL-LSHF to BS7211 & IEC60092-351/HF90
Diameter	4.8mm nominal

### 0.75mm<sup>2</sup> TSP's (Item 2-7)

Insulation	XL-LSHF to BS7211 & IEC60092-351/HF90
Insulation Diameter	2.35mm
Colours	White/Yellow-Orange-Green-Blue-Red-Black
Drainwire	0.34mm <sup>2</sup> Tinned Copper
Fillers as required	LSHF Type SHF1
Screen	Aluminium Polyester Foil
Barrier	Bonded Polyester

### Cable Assembly

Lay-up	6 off 0.75mm <sup>2</sup> TSP's cabled around 75 W Video Coax with SHF1 Fillers as required achieving a concentric and robust construction.
Lay Direction	Left Hand Lay
Drainwire	0.75mm <sup>2</sup> Tinned Copper
Shield	Aluminium Polyester Laminate Tape
Outer Sheath	FRHF PU 85 Shore A Hardness to UL94 V2, Mud & Oil resistant to NEK606
Colour	Black
Radial Wall Thickness	1.8/mm nominal
Diameter	18.1mm +/- 0.5mm

## CABLE CHARACTERISTICS

Operating Temperature	-40°C to +80°C
Cable Weight in Air	360 Kgs/Km
Cable Weight in Water	101 Kgs/Km
Bend Radius Static	6X Diameter
Bend Radius Dynamic	10X Diameter