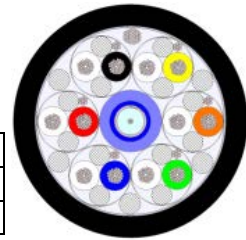


CRE15362



Issue	Date	Approved	Note
1	30/11/15	PM	Initial release
2	01/12/15	PM	Change TSP's to 1.00mm ² Cores

DESCRIPTION

Multi-pair signal/control/Video cable for use in underwater and subsea 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
1.00mm ² Insulated Core	12	32/0.2mm TC	22	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

1.00mm² TSP's (Item 2-7)

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

Cable Assembly

Lay-up	6 off 1.00mm ² 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	1.00mm ² Tinned Copper
Shield	Aluminium Polyester Laminate Tape
Outer Sheath	FRHF Polyurethane 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	384 Kgs/Km
Cable Weight in Water	124 Kgs/Km
Bend Radius Static	6X Diameter
Bend Radius Dynamic	10X Diameter