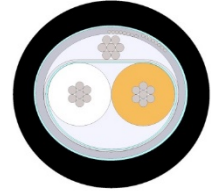


CRE18653



Issue	Date	Approved	Note
1	11/10/18	KD	Initial release

DESCRIPTION

Bespoke data cable for use in subsea applications.

Product Details (Insulated Cores)

Component Description	Qty	Conductor Stranding	Max DCR @ 20oC [Ω/Km]	Weight [Kgs/Km]	Nom Diameter [mm]
0.34mm ² Insulated Core	2	7/0.25mm TC	57	4.7	1.85mm

CONSTRUCTION

0.34mm² Data Pair

Conductor	Tinned Copper as per IEC 60228
Colours x 2	White / Orange
Insulation	Cellular polyolefin
Insulation Diameter	1.80mm
Isolation	Polyester
Foil Screen	Aluminium Polyester Laminate >100% Coverage (Alum side out)
Drainwire	0.22mm ² 7/0.2mm TC
Braided Screen	0.1mm Tinned Copper
Optical Coverage	>85%
Isolation	Bonded Polyester tape
Diameter	4.3mm nominal
Outer Sheath	SHF2 LSOH to UL94 VO, Mud & Oil resistant to NEK606
Colour	Black
Radial Wall Thickness	0.3mm nominal
Diameter	4.9mm +/-0.2mm
Characteristic Impedance	120Ω nominal

CABLE CHARACTERISTICS

Operating Temperature	-40°C to +80°C
Cable Weight in Air	35.7 Kgs/Km
Cable Weight in Water	14.9 Kgs/Km
Bend Radius Static	5 x Diameter
Bend Radius Dynamic	10 x Diameter