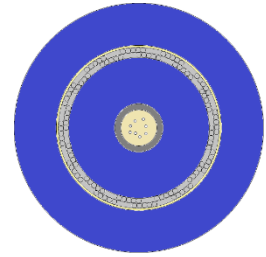


CRE13121



Issue	Date	Approved	Note
1	11/10/13	CRS	Initial release

DESCRIPTION

8 Fibre Single mode cable for use on underwater vehicles

Product Details

Component Description	Qty	Type	Max DCR @ 20oC [Ω/Km]	Weight [Kgs/Km]	Nominal Diameter [mm]
SM Fibre in SS316 Tube	1	G9/125 SM	N/A	13.6	2.4

CONSTRUCTION

SM Fibre in Stainless Steel Tube

Colours	Various
Fibre count	8
Type	G9-125 Single mode
Fill	Hydrogen scavenging gel for use at depth
Tube	Stainless Steel 316
Diameter	2.4mm

Cable Assembly

Central Fibre unit	2.4mm diameter 8 Fibre SM 9/125 in steel tube
Bedding Material	HDPE
Colour	Blue
Diameter	7.0mm
Armour	0.25mm Galvanised steel wire braid
Separator	Polyester tape
Jacket	HF Polyurethane 85 Shore A Hardness
Colour	Blue [RAL5015]
Radial Wall Thickness	2.0mm nominal
Diameter	12.2mm +/-0.2mm

CABLE CHARACTERISTICS

Operating Temperature	-40°C to +80°C
Cable Weight in Air	170 Kgs/Km
Cable Weight in Water	50 Kgs/Km
Bend Radius Static	10X Diameter
Bend Radius Dynamic	20X Diameter