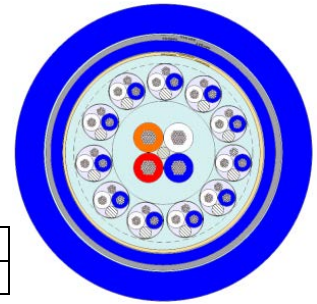


# CRE17472



Issue	Date	Approved	Note
1	16/02/17	PM	Initial release

## DESCRIPTION

Bespoke power & data composite cable for use in subsea applications.

## Product Details (Insulated Cores)

Component Description	Qty	Conductor Stranding	Nom DCR @ 20oC [ $\Omega$ /Km]	Weight [Kgs/Km]	Nominal Diameter [mm]
1.50 sqmm Insulated Cores	4	30/0.25mm TC	14.0	18.5	2.95mm
0.50 sqmm Insulated Cores	22	16/0.2mm TC	40.0	6.3	1.75mm

## CONSTRUCTION

### **1.50mm<sup>2</sup> Cores**

Colours White, Blue, Red, Orange  
 Insulation High Density Polyethylene

### **0.5mm<sup>2</sup> TSP's**

Colours white/blue x 11  
 Insulation High Density Polyethylene  
 Drainwire 7/0.2mm TC  
 Screen Aluminium Polyester Foil >100% Coverage  
 Isolation Bonded Polyester >100% Coverage  
 Diameter 3.60mm Nominal

### **Cable Assembly**

Cable Lay-up 1 4 x 1.5mm<sup>2</sup> cores cabled around a central water swellable yarn.  
 Water Block Olefinic based hot melt encapsulate  
 Cable Layer 2 11 x 0.5mm<sup>2</sup> TSP's cabled around central core  
 Binder Polyester Thread  
 Water Block Olefinic based hot melt encapsulate  
 Braided Strain Relief Vectran >2000Kgs Breaking Strain.  
 Barrier Polyester fibre tape  
 Bedding Layer HF Polyurethane 85 Shore A Hardness  
 Diameter 22.3mm Nominal  
 Armour GSW Braid > 80% Optical Coverage  
 Barrier Polyester fibre tape  
 Outer Sheath HF Polyurethane 85 Shore A Hardness  
 Radial Wall Thickness 2.50mm nominal  
 Diameter 28.4mm +/-0.5mm

## CABLE CHARACTERISTICS

Operating Temperature -40°C to +80°C  
 Cable Weight in Air 920 Kgs/Km  
 Cable Weight in Water 280 Kgs/Km  
 Bend Radius Static 5X Diameter  
 Bend Radius Dynamic 10X Diameter