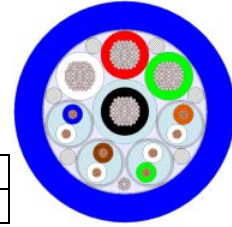


CRE18631



Issue	Date	Approved	Note
1	001/08/18	PM	Original Design

DESCRIPTION

Bespoke multicore interconnect cable for data communications and power used in extreme subsea applications to 6000m depth rating.

Product Details (Insulated Cores)

Component Description	Qty	Conductor Stranding	Nominal DCR @ 20oC [Ω /Km]	Weight Kgs/Km]	Nominal Diameter [mm]
2.50 sqmm Insulated Core	4	50/0.25mm TC	7.98	27.2	3.1mm
0.24 sqmm insulated core	8	19/0.127mm BC	84.2	3.0	1.28mm

CONSTRUCTION

2.50mm² Cores

Colours	Black, White, Red, Green
Insulation	High Density Polyethylene
Insulation Diameter	3.1 mm
Bedding	Hot melt encapsulate to 4.2mm on black component

0.24mm² Ethernet Twisted Pairs

Colours	White/Orange, White/Green, White/Brown, White/Blue
Insulation	High Density Polyethylene
Insulation Diameter	1.28 mm
Bedding	Hot Melt encapsulate
Foil Screen	Aluminium polyester (alum side out)

Cable Assembly

Construction	3 x 2.50mm ² cores + 4 x 0.22mm ² Data Pairs cabled around the 2.50mm ² black component with fillers as required to maintain a concentric circular profile.
Drainwire	1 x 0.50mm ² Tinned Copper
Screen	Aluminium Polyester Foil 100% Coverage
Outer jacket	Polyurethane 85 Shore 'A' Hardness
Colour	Blue
Radial Wall Thickness	1.8mm nominal
Diameter	14.1mm +/-0.5mm

CABLE CHARACTERISTICS

Operating Temperature	-40°C to +80°C
Cable Weight in Air	265 Kgs/Km
Cable Weight in Seawater	106 Kgs/Km
Bend Radius Static	6X Diameter
Bend Radius Dynamic	12X Diameter