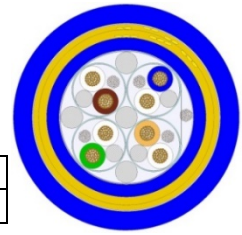


CRE19753



Issue	Date	Approved	Note
1	10/08/19	PM	Initial release

DESCRIPTION

Bespoke multi-pair cable for data communications used in subsea and similar applications with additional strain relief.

Product Details (Insulated Cores)

Component Description	Qty	Conductor Stranding	Nominal DCR @ 20oC [Ω/Km]	Weight Kgs/Km]	Nominal Diameter [mm]
0.75 sqmm Insulated Core	8	41/0.16mm BC	24.2	8.9	1.95mm

CONSTRUCTION

0.75mm² Twisted Pairs

Colours	White/Orange, White/Green, White/Brown, White/Blue
Insulation	High Density Polyethylene
Insulation Diameter	1.95mm
Drainwire	0.50mm ² Tinned Copper (28/0.16mm) + Filler
Screen	Aluminium Polyester Foil
Binder	Polyester

Cable Assembly

Construction	4 x 0.75mm ² Data Pairs cabled around central filler with additional fillers as required maintaining a concentric circular profile.
Lay direction	Left Hand
Drainwire	1 x 0.50mm ² (28/0.16mm) Tinned Copper
Screen	Aluminium Polyester Foil 100% Coverage
Bedding	1mm Radial Thickness Polyurethane 85 Shore 'A' Hardness
Vectran Braid	Dual pass 700Kg SWL, >3500Kg Breaking Strain
Binder	Non-Woven Polyester Fibre Tape
Outer jacket	Polyurethane 85 Shore 'A' Hardness
Colour	Blue
Radial Wall Thickness	1.5mm nominal
Diameter	17.0mm +/-0.5mm

CABLE CHARACTERISTICS

Operating Temperature	-40°C to +80°C
Cable Weight in Air	270 Kgs/Km
Cable Weight in Seawater	65 Kgs/Km
Strain Relief	3500Kgs Breaking Strain, (700Kgs SWL)
Bend Radius	Static = 10X Diameter Dynamic = 15X Diameter

ENVIRONMENTAL

RoHS Compliant	Yes
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