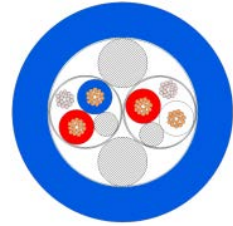


CRE13101-3



Issue	Date	Approved	Note
1	20/08/13	PM	Initial release
2	12/02/16	PM	Upgrade design
3	28/09/18	KD	Upgrade to 0.75mm ²

DESCRIPTION

Bespoke two individually screened twisted pair cable for data communications used in subsea and similar applications.

Product Details (Insulated Cores)

Component Description	Qty	Conductor Stranding	Nominal DCR @ 20oC [Ω /Km]	Weight Kgs/Km]	Nominal Diameter [mm]
0.75mm ² Insulated Core	4	24/0.2mm BC	27.0	8.9	1.90mm

CONSTRUCTION

0.75mm² Twisted Screened Pairs (TSP's)

Colours	White/Red, Blue/Red
Insulation	High Density Polyethylene
Insulation Diameter	1.90mm
Drainwire	0.75mm ² Tinned Copper + Filler
Screen	Aluminium Polyester Foil
Binder	Polyester

Cable Assembly

Construction	2 x 0.75mm ² Data Pairs cabled together with additional fillers as required maintaining a concentric circular profile.
Lay direction	Left Hand
Screen	Polyester Foil 100% Coverage
Outer jacket	Polyurethane 85 Shore 'A' Hardness
Colour	Blue
Radial Wall Thickness	1.8mm nominal
Diameter	11.5mm +/-0.5mm

CABLE CHARACTERISTICS

Operating Temperature	-40°C to +80°C
Cable Weight in Air	135 Kgs/Km
Cable Weight in Seawater	30 Kgs/Km
Minimum Bend Radius	7 x Diameter [Static] 10 x Diameter [Dynamic]

ENVIRONMENTAL

RoHS Compliant	Yes
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