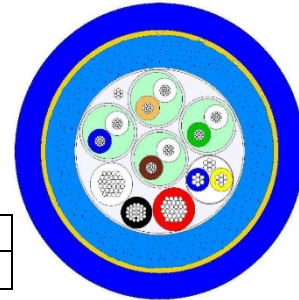


CRE17564



Issue	Date	Approved	Note
1	05/01/2018	KD	Initial release

DESCRIPTION

Neutrally Buoyant data/power composite cable for use in ROV marine applications.

Product Details (Insulated Cores)

Component Description	Qty	Conductor Stranding	Max DCR @ 20oC [Ω /Km]	Weight [Kgs/Km]	Nominal Diameter [mm]
0.24 mm ² Data Pairs	8	19/0.127mm TC	81.7	2.8	1.24mm
0.34 mm ² Data Pairs	2	7/0.25mm TC	56.0	4.0	1.25 mm
0.50 mm ² Drain	1	16/0.2mm TC	38.9	5.8	1.52 mm
1.34 mm ² Power Cores	2	30/0.24mm TC	14.5	15.6	2.30 mm

CONSTRUCTION

0.24mm² Encapsulated Data Pairs

Colours	White/Green, White/Orange, White/Blue, White/Brown
Insulation	Cellular polyolefin
Insulation Diameter	1.24mm Nominal
Component Bedding	Olefinic based hot melt encapsulate
Component Diameter	2.80mm Nominal
Foil Screen	Aluminium Polyester Tape

0.34mm² Data Pair

Colours	Yellow/Blue
Insulation	HDPE
Insulation Diameter	1.25mm Nominal
Drainwire	0.34mm ² 7/0.25mm TC
Screen	Aluminium / Polyester Laminate
Coverage	>100%
Isolation	Bonded Polyester layer

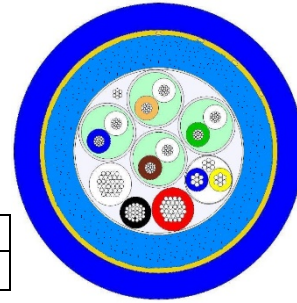
0.50mm² Drain Cores

Colours	Black
Insulation	Polypropylene
Insulation Diameter	1.52mm Nominal

1.34mm² Power Cores

Colours	White, Red
Insulation	Polypropylene
Insulation Diameter	2.30mm Nominal

CRE17564



Issue	Date	Approved	Note
1	05/01/2018	KD	Initial release

DESCRIPTION

Neutrally Buoyant data/power composite cable for use in ROV marine applications.

Cable Assembly

Cable Layer 1	4 x 0.24mm ² Encapsulated data pairs & 1 x 0.34mm ² Data Pair cabled together with 2 x 1.34mm ² Power Cores and a single 0.50mm ² Insulated Drainwire to achieve a uniform and concentric profile
Drainwire	0.24mm ² 19/0.127mm TC
Foil Screen	Aluminium Polyester Foil > 100% Coverage
NB Layer	Cellular elastomer
Strain Relief	Torque balanced Vectran Braid
Break Strength	>750Kg
SWL	>250 Kg
Outer jacket	Polyurethane 85 Shore 'A' Hardness
Print Details	as required with order
Colour	Blue - RAL5015
Radial Wall Thickness	1.25mm nominal
Diameter	16.1mm +/-0.5mm
Print Details	as required with order

CABLE CHARACTERISTICS

Operating Temperature	-40°C to +80°C
Cable Weight in Air	200 Kgs/Km
Cable Weight in Water	0 Kgs/Km
Minimum Bend Radius	6 x Diameter STATIC 12 x Diameter DYNAMIC
Breaking Strain	>750Kgs
SWL	>250Kgs

ENVIRONMENTAL

RoHS Compliant	Yes
----------------	-----