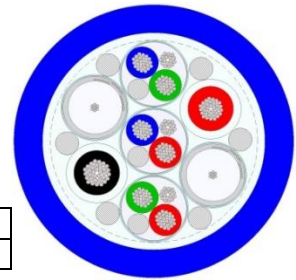


CRE18669



Issue	Date	Approved	Note
1	22/11/18	KD	Initial release

DESCRIPTION

Multipair screened camera composite cable for use in marine environments

Product Details (Insulated Cores)

Component Description	Qty	Conductor Stranding	DCR @ 20oC [Ω /Km]	Weight [Kgs/Km]	Nominal Diameter [mm]
0.75mm ² insulated core	6	24/0.2mm TC	26	8.3	1.7mm
1.0mm ² insulated core	2	32/0.2mm TC	19.5	12.5	2.4mm
75 Ohm Mini coax	2	7/0.16mm TC	138	2.8	3.2mm

CONSTRUCTION

0.75mm² Twisted Screened Pair (TSP)

Colours	Blue/Green, Blue/Red, Green/Red
Insulation	HDPE
Radial Thickness	0.29mm
Insulation Diameter	1.7mm nominal
Drainwire	16/0.2mm TC with fillers as required
Shield	Aluminium Polyester Foil Screen >100% Coverage
Isolation	Bonded polyester

1.0mm² Power cores

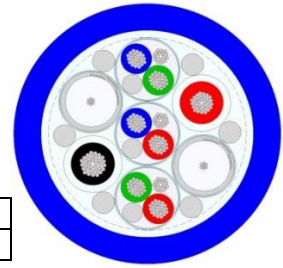
Colours	Red, Black
Insulation	HDPE
Radial Thickness	0.55mm
Insulation Diameter	2.40mm nominal
Waterblocking	Hot Melt Encapsulate
Diameter	3.20mm

75 Ω Mini coax

75 Ohm Mini RG59h (2 off)

Conductor	Tinned Copper as per IEC 60228
Core colour	Natural
Insulation	Polyethylene
Impedance	75 Ω nominal
Dielectric diameter	2.85mm
Braided Screen	0.127mm TC >95% optical coverage
Foil Screen	Aluminium Polyester
Isolation	Bonded Polyester
Diameter	3.5mm nominal

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Cable Assembly

Cable Layer 2	3 x 0.75mm ² TSP's, 2 x 1.0mm ² Power cores and 2 x 75Ω mini coax cabled with fillers as required to form circular profile
Binder	>100% Coverage Polyester Tape
Waterblocking	Hot melt encapsulate
Jacket	FRHF PU 85 Shore A Hardness to UL94 V2, Mud & Oil resistant to NEK606
Colour	Blue
Radial Wall Thickness	1.5mm nominal
Diameter	14.6mm +/-0.5mm

CABLE CHARACTERISTICS

Operating Temperature	-40°C to +80°C
Cable Weight in Air	252 Kgs/Km
Cable Weight in Sea Water	83 Kgs/Km
Bend Radius Static	6 x Diameter
Bend Radius Dynamic	10 x Diameter

ENVIRONMENTAL

RoHS Compliant	Yes
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