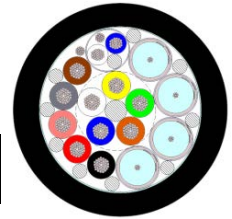


CRE19740



Issue	Date	Approved	Note
1	28/10/19	PM	Initial release with references to standards

DESCRIPTION

Power, data & video composite cable for use in Marine and Subsea applications designed with reference to ISO 13628-5

Product Details (Insulated Cores)

Component Description	Qty	Conductor Stranding	Max DCR @ 20oC [Ω /Km]	Weight [Kgs/Km]	Nominal Diameter [mm]
0.75mm ² TSP Cores	2	24/0.2mm TC	26	8.5	1.80mm
1.00mm ² Power Cores	10	32/0.2mm TC	19.5	12.5	2.40mm
75 Ohm Mini RG59h Core	4	7/0.16mm TC	82.0	12.0	3.70mm

CONSTRUCTION

0.75mm² TSP (1 off) designed with reference to ISO 13628-5

Conductor	Tinned Copper as per IEC 60228
Colours x 2	White / Blue
Insulation	High Density Polyethylene
Insulation Diameter	1.80mm
Drainwire	24/0.2mm TC
Foil Screen	Aluminium / Polyester Laminate >100% Coverage
Isolation	Bonded Polyester tape
Diameter	3.7mm nominal

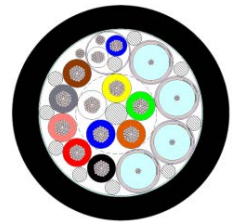
1.00mm² Power Cores (10 off) designed with reference to IEC 60502

Conductor	Tinned Copper as per IEC 60228
Colours	White, Yellow, Green, Orange, Blue, Black, Red, Pink, Grey, Brown
Insulation	HDPE
Insulation Diameter	2.40mm Nominal

75 Ohm Mini RG59h (4 off) Video Coaxial

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 Lay-up	5 x 1.00mm ² Cores with filler to form a central core, 4 x 75Ω Mini RG59h with 5 x 1.00mm ² cores, with fillers in the outer interstice to achieve a uniform and concentric profile
Drainwire	0.75mm ² 24/0.2mm TC
Foil Screen	Aluminium Polyester Foil > 100% Coverage
Bonded Outer Sheath	FRHF PU 85 Shore A Hardness to UL94 V2, Mud & Oil resistant to NEK606
Colour	Black
Radial Wall Thickness	2.00mm nominal
Diameter	17.8mm +/-0.5mm

CABLE CHARACTERISTICS

Operating Temperature	-40°C to +80°C
Cable Weight in Air	315 Kgs/Km
Cable Weight in Water	64 Kgs/Km
Bend Radius Static	5X Diameter
Bend Radius Dynamic	10X Diameter