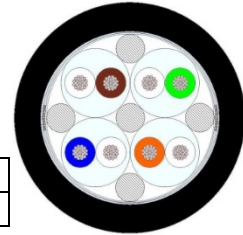


CRE19739



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

DESCRIPTION

Reinforced Cat5e Stranded Data Cable for use in Hostile environments 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]
0.24mm ² Data Pairs	8	19/0.127mm BC	76.8	2.9	1.25mm

CONSTRUCTION

0.24mm² Encapsulated Data Pairs designed with reference to Gigabit Ethernet / ISO11801

Colours	White/Green, White/Orange, White/Blue, White/Brown
Insulation	Cellular polyolefin
Insulation Diameter	1.25mm Nominal
Component Bedding	Olefinic based hot melt encapsulate
Component Diameter	2.80mm Nominal

Cable Assembly

Cable Layer 1	4 x AWG24 Data Pairs with fillers as required
Barrier	Polyester Tape >100% Coverage
Drainwire	2 x 10 ends 0.1mm TC
Foil Screen	Aluminium Polyester Foil > 100% Coverage
Outer Sheath	FRHF PU 85 Shore A Hardness to UL94 V2, Mud & Oil resistant to NEK606
Colour	Black
Radial Wall Thickness	1.00mm nominal
Diameter	9.4mm +/-0.3mm

CABLE CHARACTERISTICS

Operating Temperature	-40°C to +80°C
Cable Weight in Air	88 Kgs/Km
Cable Weight in Water	18 Kgs/Km
Bend Radius Static	5X Diameter
Bend Radius Dynamic	10X Diameter