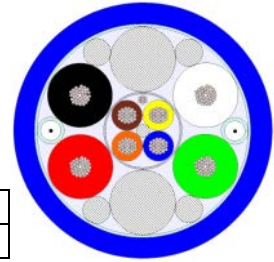


CRE15316



Issue	Date	Approved	Note
1	21/02/17	PM	Initial release

DESCRIPTION

Power, Data & Fibre composite for use in underwater and subsea applications.

Product Details (Insulated Cores)

Component Description	Qty	Conductor Stranding	Max DCR @ 20oC [Ω /Km]	Weight [Kgs/Km]	Nominal Diameter [mm]
1.00sqmm Insulated Cores	4	32/0.2mm TC	20.0	19.0	3.8mm
0.75sqmm Insulated Core	4	24/0.2mm TC	26.7	9.5	1.8mm

CONSTRUCTION

1.00mm² Power

Insulation	High Density Polyethylene
Insulation Diameter	3.8mm
Colours	White, Green, Red, Black

0.75mm² TSQ

Insulation	High Density Polyethylene
Insulation Diameter	1.8mm
Colours	Yellow, Blue, Orange, Brown
Drainwire	0.22sqmm Tinned Copper
Fillers as required	LSHF Type SHF1
Screen	Aluminium Polyester Foil
Barrier	Bonded Polyester

Cable Assembly

Lay-up	4 off 1.00mm ² Power cores with Fillers and 2 x Singlemode Simples Fibres cabled into interstice of power cores.
Lay Direction	Left Hand Lay
Barrier	Polyester Tape
Outer Sheath	HF Polyurethane 85 Shore A
Colour	Blue
Radial Wall Thickness	1.5mm nominal
Diameter	15.1mm +/- 0.4mm

CABLE CHARACTERISTICS

Operating Temperature	-40°C to +80°C
Cable Weight in Air	255 Kgs/Km
Cable Weight in Water	73 Kgs/Km
Bend Radius Static	8X Diameter
Bend Radius Dynamic	12X Diameter