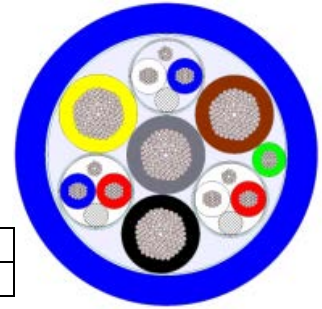


CRE18682



Issue	Date	Approved	Note
1	11/12/18	PM	Initial release

DESCRIPTION

Power / Data composite for use in subsea applications

Product Details (Insulated Cores)

Component Description	Qty	Type	Max DCR @ 20oC [Ω/Km]	Weight [Kgs/Km]	Nominal Diameter [mm]
6.00mm ² Power Cores	4	84/0.3mm TC	3.3	64.5	4.6
0.75mm ² Cores	7	24/0.2mm TC	7.98	9.39	2.1

CONSTRUCTION

6.00mm² Power Cores

Colours Grey, Yellow, | Brown, Black
 Insulation XLPE
 Insulation Diameter 4.60mm Nominal

0.75mm² TSP (3 off)

Colours White / Blue, White / Red, Blue / Red
 Insulation HDPE
 Insulation Diameter 2.10mm Nominal
 Drainwire 16/0.2mm TC
 Foil Screen Aluminium Polyester Laminate
 Isolation Bonded Polyester

0.75mm² Single

Colours Green
 Insulation HDPE
 Insulation Diameter 2.mm Nominal

Cable Assembly

Lay-up 4 x 6.00mm² Power cabled with 3 x 0.75mm² TSP +1x0.75mm² Single
 Binder Polyester Tape >100% coverage
 Diameter 14.0mm
 Jacket HF Polyurethane 85 Shore A Hardness
 Colour Blue [RAL5015] or other colour as required
 Radial Wall Thickness 1.8mm nominal
 Diameter 17.6mm +/-0.4mm
 Print Black ink jet print

CABLE CHARACTERISTICS

Operating Temperature -40°C to +80°C
 Cable Weight in Air 462 Kgs/Km
 Cable Weight in Sea Water 214 Kgs/Km
 Bend Radius Static 7X Diameter
 Bend Radius Dynamic 15X Diameter