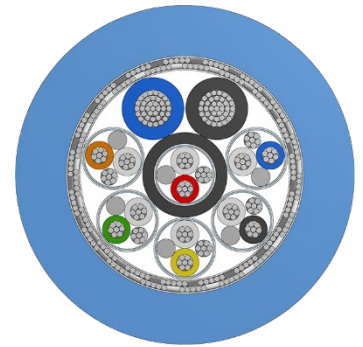


# Power & data cable

## Type 4622CC



### Construction characteristics

<b>2 x Conductors</b>	1.00 mm <sup>2</sup> (32/0.20 mm) Tinned Copper XLPE insulated, 0.45 mm nom RTI OD: 2.20 mm Colour: BU BK
<b>5 x Screened twisted pairs</b>	0.22 mm <sup>2</sup> (7/0.20 mm) Tinned Copper XLPE insulated to 1.00 mm 2 off twisted together with Tinned Copper drain wire and filler in interstices Overall helical 12/23µm Al/PET foil screen, minimum overlap 50% Overall helical PET isolation tape, minimum overlap 50% OD: 2.20 mm Colour: BU/WH BK/WH YW/WH GN/WH OR/WH
<b>1 x Jacketed screened twisted pairs</b>	0.22 mm <sup>2</sup> (7/0.20 mm) Tinned Copper XLPE insulated to 1.00 mm 2 off twisted together with Tinned Copper drain wire and filler in interstices Overall helical 12/23µm Al/PET foil screen, minimum overlap 50% Overall helical PET separation tape, minimum overlap 50% LLD PE jacketed, 0.40mm nom RTI OD: 3.00 mm Colour: RD/WH BK
<b>Lay up</b>	The conductors and screened twisted pairs are twisted around the jacketed screen twisted pair. Overall helical PET binding tape, minimum overlap 50% OD: 7.5 mm
<b>Overall screen</b>	0.20 mm Tinned Copper Braid Minimum optical coverage 85% Overall helical PET separation tape minimum overlap 50% OD: 8.40 mm
<b>Jacket</b>	Polyether Polyurethane 85 Shore A Halogen Free 1.80 mm nom RTI OD: 12.00 mm +/- 0.40 Colour: BU

## Mechanical characteristics

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<b>Max. operating temp</b>	
Static	+90°C
Dynamic	+80°C
<b>Cold flex temp</b>	-40°C
<b>Depth rating</b>	3,000 m
<b>Min. recommended bend radius</b>	
Static	80 mm
Dynamic	120 mm
<b>Nominal weight</b>	
In air	204 kg/km
In seawater	88 kg/km at SG 1.025

## Electrical characteristics

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<b>1.00 mm<sup>2</sup> conductors</b>	
Max. conductor resistance	19.20 Ω/km at 20°C
Voltage rating	600 V DC
Test voltage	3,000 V DC for 1 min
<b>0.22 mm<sup>2</sup> conductors</b>	
Conductor resistance voltage	88.20 Ω/km at 20°C
Voltage rating	24 V DC
Test voltage	1,500 V DC for 1 min
Capacitance	85 pF/m
Impedance	60 ±5 Ω at 1-10 MHz
Attenuation	
1 MHz	10.0 dB/100 m
10 MHz	25.0 dB/100 m
<b>Min. insulation resistance</b>	
Core - Core	> 100 GΩ/km
Core - Screen	> 50 MΩ/km
Screen - Screen	> 10 MΩ/km
<b>In compliance with</b>	CE, UK CA, UK NI, RoHS, LVD