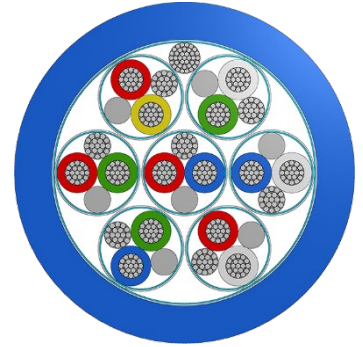


# Data cable

## Type 4700CC



### Construction characteristics

<b>7 x Screened twisted pairs</b>	<p>0.50 mm<sup>2</sup> (16/0.20 mm) Tinned Copper XLPE insulated to 1.50 mm                  2 of these and 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: 3.20 mm                  Colour: GN/WH BU/WH RD/WH GN/BU GN/RD YW/RD BU/RD</p>
<b>Lay up and overall screen</b>	<p>The 6 outer screened twisted pairs are twisted together around the center screened twisted pair with Tinned Copper drain wire in interstices                  Overall helical 12/23µm Al/PET foil screen, minimum overlap 50%                  Overall helical PET binding tape, minimum overlap 50%                  OD: 9.90 mm</p>
<b>Jacket</b>	<p>Polyether Polyurethane, 85 Shore A, Halogen Free, 1.40 mm nom RTI                  OD: 12.70 mm +/-0.30                  Colour: BU</p>

### Mechanical characteristics

<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	75 mm
Dynamic	150 mm
<b>Nominal weight</b>	
In air	210 kg/km
In seawater	80 kg/km at SG 1.025

## Electrical characteristics

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### Conductors

Max. conductor resistance	38.60 $\Omega$ /km at 20°C
Voltage rating	600 V
Test voltage	3,000 V DC for 1 minute
Capacitance	100 pF/m
Impedance	57 $\Omega$ at 1-10 MHz

### Attenuation at

4 KHz	0.30 dB/100 m
10 KHz	0.50 dB/100 m
1 MHz	7.00 dB/100 m
10 MHz	18.00 dB/100 m

### Min. insulation resistance

Core - Core	> 1.00 G $\Omega$ /km
Core - Screen	> 500 M $\Omega$ /km
Screen - Screen	> 10 M $\Omega$ /km

**In compliance with** CE, UK CA, UK NI, RoHS, LVD