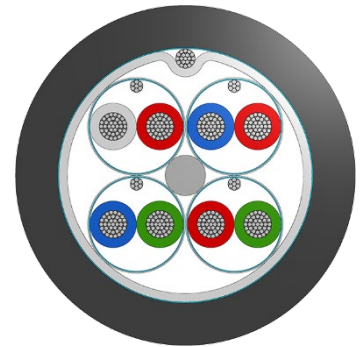


# Data cable

## Type 4588CC



### Construction characteristics

<b>4 x Screened twisted pairs</b>	<p>1.00 mm<sup>2</sup> (32/0.20 mm) Tinned Copper XLPE insulated to 2.20 mm 2 off these and twisted together with 0.22 mm<sup>2</sup> (7/0.20 mm) Tinned Copper drain wire in interstice</p> <p>Overall helical 12/23µm Al/PET foil screen, minimum overlap 50%</p> <p>Overall helical PET isolation tape, minimum overlap 50%</p> <p>OD: 4.60 mm</p> <p>Colour: WH/RD BU/RD BU/GN RD/GN</p>
<b>Lay up and overall screen</b>	<p>The 4 screened twisted pairs are twisted around the central filler</p> <p>Overall water-swellable tape, minimum overlap 50%</p> <p>Overall helical 12/23µm Al/PET foil screen, minimum overlap 50% with 0.50 mm<sup>2</sup> (16/0.20 mm) Tinned Copper drain wire pulled under</p> <p>OD: 10.70 mm</p>
<b>Jacket</b>	<p>Polyether Polyurethane, 85 Shore A, Halogen Free, 1.80 mm nom RTI</p> <p>OD: 14.30 mm +/-0.30</p> <p>Colour: BK</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	90 mm
Dynamic	150 mm
<b>Nominal weight</b>	
In air	218 kg/km
In seawater	53 kg/km at SG 1.025

## Electrical characteristics

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### 1.00 mm<sup>2</sup> conductors

Max. conductor resistance	19.20 $\Omega$ /km at 20°C
Voltage rating	1,000 V DC
Test voltage	4,000 V DC for 1 minute
Capacitance	110 pF/m nom
Impedance	50 +/- 5 $\Omega$ at 1 - 10 MHz
Inductance	240 $\mu$ H/m

### Attenuation at

1 MHz	3.90 dB/100 m
10 MHz	12.50 dB/100 m

### Min. insulation resistance

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

### In compliance with

CE, UK CA, UK NI, RoHS, LVD