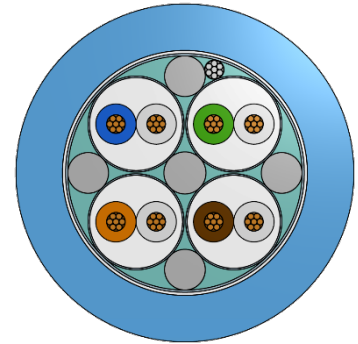


# Data cable

## Type 9040CC



### Construction characteristics

<b>4 x Screened twisted pairs</b>	<p>24 AWG (7/0.20mm) plain soft copper, HDPE insulated to 1.30 mm, 2 off twisted together differential lays of 10mm, 12mm, 14mm &amp; 16mm with PVC encapsulation to 3.00mm</p> <p>Overall helical 12/23µm Al/PET foil screen, min. overlap 50% - Foil out</p> <p>Colour: BU/WH, OR/WH, GN/WH, BN/WH</p> <p>OD: 3.10 mm</p>
<b>Lay up and overall screen</b>	<p>The 4 twisted pairs are cabled together around a central filler, with a Tinned Copper drain wire in interstices</p> <p>All voids filled with vulcanised silicone compound</p> <p>Overall helical 12/23µm Al/PET foil screen, minimum overlap 50%</p> <p>Overall helical non-woven polyester tissue tape, minimum overlap 30%</p> <p>OD: 7.90 mm</p>
<b>Jacket</b>	<p>Polyether Polyurethane, 75 Shore A, Halogen Free, 1.50 mm nom RTI</p> <p>OD: 10.90 mm ± 0.30mm</p> <p>Colour: BU RAL</p>

### Mechanical characteristics

<b>Max. operating temp</b>	
Static	+70°C
Dynamic	+60°C
<b>Cold flex temp</b>	
	-20°C
<b>Depth rating</b>	
	6,000 m
<b>Min. recommended bend radius</b>	
Static	88 mm
Dynamic	164 mm
<b>Nominal weight</b>	
In air	134 kg/km
In seawater at SG 1.025	38 kg/km

## Electrical characteristics

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### Data pairs

Max. conductor resistance	91.70 $\Omega$ /km at 20°C
Nominal Capacitance	68 pF/m
Nominal characteristic Impedance	104 $\Omega$
Calculated Inductance	0.60 mH/km

**Maximum continuous production length** 1000 m

**Print details** Text: MacArtney Data cable, type 9040CC MM/YY <meter mark>  
repeated every 1000 mm  
Colour: BK

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