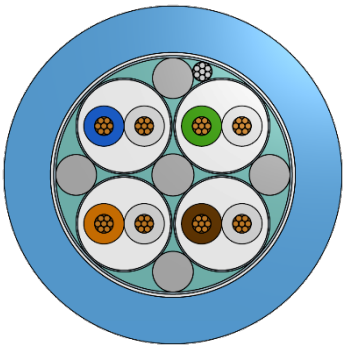
Data cable
Type 9040CC



Construction characteristics

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

Mechanical characteristics

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

Subject to change without notice. Visit MacArtney.com for latest revision

Electrical characteristics

Data pairs	
Max. conductor resistance	91.70 Ω/km at 20°C
Nominal Capacitance	68 pF/m
Nominal characteristic Impedance	104 Ω
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
Order detail	Supplied terminated by MacArtney only. Unterminated cable is not available
In compliance with	CE, UK CA, UK NI, RoHS, LVD

Subject to change without notice. Visit MacArtney.com for latest revision