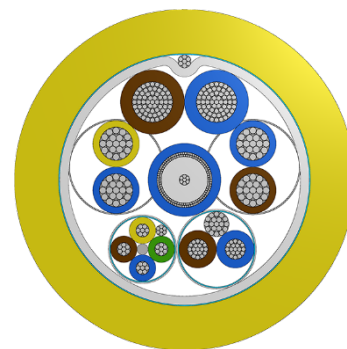


Coax hybrid cable

Type 6013CC



Construction characteristics

| | |
|--------------------------------|--|
| 1 x Coaxial cable | D0624 0.14 mm ² (7/0.16 mm) Tinned Copper Polyolefin Dielectric at 2.10 mm Tinned Copper Secondary Conductor HDPE Jacket OD 3.30 mm Colour: BU |
| 2 x Conductors | 2.00 mm ² (63/0.20 mm) Tinned Copper XLPE Insulated, 0.55 mm nom RTI OD: 2.90 mm Colour: BN BU |
| 2 x Twisted pairs | 1.34 mm ² (19/0.30 mm) Tinned Copper XLPE Insulated to 2.10 mm 2 off these and twisted together, 60 mm lay length Overall helical PET binding tape, minimum overlap 50% OD: 4.30 mm Colour: BU/BN YW/BU |
| 1 x Screen twisted pair | 0.50 mm ² (16/0.20 mm) Tinned Copper XLPE Insulated to 1.70 mm 2 off these and twisted together with Tinned Copper drain wire in interstices Overall helical 12/23µm Ali/PET foil screen, minimum overlap 50% Overall helical PET isolation tape, minimum overlap 50% OD: 3.60 mm Colour: BN/BU |
| 1 x Screened quad | 0.22 mm ² (7/0.20 mm) Tinned Copper XLPE Insulated to 1.20 mm 4 off these and twisted around central filler with Tinned Copper drain wire in interstices Overall helical 12/23 µm Ali/PET foil screen, minimum overlap 50% Overall helical PET isolation tape, minimum overlap 50% OD: 3.10 mm Colour: YW GN BU BN |
| Lay up | The conductors, twisted pairs, screened twisted pairs and screened quad are twisted around the coaxial cable Overall water swellable tape, minimum overlap 50% Tinned Copper drain wire pulled under Overall helical 12/23µm Ali/PET foil screen, minimum overlap 50% OD: 11.10 mm |
| Jacket | Polyether Polyurethane, 85 Shore A, Halogen Free, 2.00 mm nom RTI OD: 15.10 mm +/- 0.40 Colour: YW |

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

Mechanical characteristics

Max. operating temp

| | |
|---------|-------|
| Static | +90°C |
| Dynamic | +80°C |

Cold flex temp -40°C

Depth rating 6,000 m

Min. recommended bend radius

| | |
|---------|--------|
| Static | 116 mm |
| Dynamic | 218 mm |

Nominal weight

| | |
|-------------|----------------------|
| In air | 258 kg/km |
| In seawater | 75 kg/km at SG 1.025 |

Electrical characteristics

2.00 mm² conductors

Max. conductor resistance 9.80 Ω/km at 20°C

1.34 mm² conductors

Max. conductor resistance 14.50 Ω/km at 20°C

0.50 mm² conductors

Max. conductor resistance 40.1 Ω/km at 20°C

0.22 mm² conductors

Max. conductor resistance 88.20 Ω/km at 20°C

Min. insulation resistance

| | |
|---------------|--------------|
| Core - Core | > 1.00 GΩ/km |
| Core – Screen | > 500 MΩ/km |

Voltage Rating U_o/U 600/1,000 V_{rms}

In compliance with CE, UK CA, UK NI, RoHS, LVD
PFAS-free