

Coax hybrid cable

Type 6926KCC



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 to 3.30 mm LLDPE Jacketed, 1.20 mm nom RTI OD: 5.70 mm Colour: NAT
1 x Twisted quad	0.22 mm ² (7/0.20 mm) Tinned Copper XLPE Insulated to 0.90 mm 4 off these and twisted around central filler with Tinned Copper drain wire Overall helical 12/23µm Al/PET foil screen, minimum overlap 50% Overall helical PET isolation tape, minimum overlap 50% OD: 2.40 mm Colour: WH RD BU GN
8 x Conductors	1.00 mm ² (32/0.20 mm) Tinned Copper XLPE Insulated, 0.55 mm nom RTI OD: 2.40 mm Colour: GN BU RD WH BN OR GY YW
1 x Twisted quint	0.14 mm ² (7/0.16 mm) Tinned Copper XLPE Insulated to 0.80 mm 5 off these and twisted around central filler with Tinned Copper drain wire Overall helical 12/23µm Al/PET foil screen, minimum overlap 50% Overall helical PET isolation tape, minimum overlap 50% OD: 2.40 mm Colour: WH YW RD BU GN
Lay up	Twisted quad, twisted quint and conductors are twisted around the coaxial cable with Non-woven Polyester Tissue tape, minimum overlap 50% OD: 10.40 mm
Strength member	Vectran [®] fibre braid, 24/2/1 /1,666 dTex 58 mm pitch OD: 11.40 mm
Jacket	Polyether Polyurethane, 85 Shore A, Halogen Free, 1.45 mm nom RTI OD: 14.00 mm +/-0.50 Colour: RD

Mechanical characteristics

Max. operating temp	
Static	+90°C
Dynamic	+80°C
Cold flex temp	-20°C
Min. break load	7 kN
Depth rating	5,000 m
Min. recommended bend radius	
Static	116 mm
Dynamic	216 mm
Nominal weight	
In air	241 kg/km
In seawater	74 kg/km at SG 1.025

Electrical characteristics

D0624 coaxial cable	
Conductor resistance	130 Ω/km at 20°C
Characteristic impedance	75 Ω
Capacitance	55 pF/m
Attenuation at	
1 MHz	1.60 dB/100 m Nom
2 MHz	2.30 dB/100 m Nom
5 MHz	3.60 dB/100 m Nom
10 MHz	5.10 dB/100 m Nom
20 MHz	7.20 dB/100 m Nom
50 MHz	11.50 dB/100 m Nom
1 mm² conductors	
Max. conductor resistance	19.20 Ω/km at 20°C
Voltage rating	600 V
0.22 mm² conductors	
Max. conductor resistance	88.20 Ω/km at 20°C
Voltage rating	24 V
0.14 mm² conductors	
Max. conductor resistance	137.80 Ω/km at 20°C
Voltage rating	24 V
Min. insulation resistance	
Core - Core	> 1.00 GΩ/km
Core - Screen	> 500 MΩ/km
In compliance with	CE, UK CA, UK NI, RoHS, LVD