BT Cables

Cable Coaxial IT3002

75 Ohm Coaxial Interconnection Cable
Internal Cable (Complies with BT Specification CW1383)

Application

This cable is a flexible miniature coaxial cable suitable for the interconnection of telecommunication transmission equipment.

Product Description & Construction

The cable consists of a plain annealed copper inner conductor coated with a solid polyethylene dielectric Type 03 to BS6234, surrounded by two layers of braided copper wires and sheathed with polyvinyl chloride, Type TM1 to BS7655. Low Smoke Zero Halogen sheath option is also available.

Inner Conductor Diameter (mm)	Nominal Dielectric Diameter (mm)	Screen Layer 1 (mm)	Coverage (%)	Screen Layer 2 (mm)	Coverage (%)	Nominal Overall Diameter (mm)	Nominal Length (m)
0.31	1.95	2.40	91	2.85	90	3.55	100
0.31	1.95	2.40	91	2.85	90	3.55	200
0.31	1.95	2.40	91	2.85	90	3.55	500
0.31	1.95	2.40	91	2.85	90	3.55	1000

Electrical Characteristics - General

Impedance	Resistance of Inner Conductor	Nominal Capacitance	Attenuation	Dielectric Withstand	Insulation Resistance
Ω @ 5MHz	Ω per 100m	pF/m @ 1kHz	dB/100m maximum @ 5MHz	kV for 1 minute	MΩ/km Minimum after 1 minute
75.0 ± 4.0	23.6	67	4.8	3.5 (RMS) or 5.3 (DC)	20,000

Electrical Characteristics – Far-End Signal to Crosstalk Ratio

Frequency (MHz)	FESXTR dB/30m (Minimum)
0.01	55
0.30	80
1.00	110
2.00	115
17.00	115

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