



BT3002 Cable – Single Core

BATT Part No:	49179
Application:	This cable is a flexible miniature coaxial cable suitable for the interconnection of telecommunication transmission equipment.
Conductor:	Plain annealed copper
Coating:	Solid polyethylene dielectric Type 03 to BS6234,
Braid:	Two layers of braided copper wires
Sheath:	Polyvinyl chloride, Type TM1 to BS7655 Low Smoke Zero Halogen sheath option is also available.
Inner conductor diameter:	0.31mm
Nominal dielectric diameter:	1.95mm
Screen layer 1:	2.40mm
Coverage:	91%
Screen layer 2:	2.85mm
Coverage:	90%
Nominal overall diameter:	3.55m
Electrical characteristics – General	
Impedance:	75.0 ± 4.0 Ω at 500MHz
Resistance of inner conductor:	23.6 Ω per 100m
Nominal capacitance:	67 pF/m at 1kHz
Attenuation:	4.8 dB/100m maximum at 5MHz
Dielectric withstands:	3.5 (RMS) or 5.3 (D.C) kV for 1 minute
Insulation resistance:	20,000 MΩ/km minimum after 1 minute

Electrical characteristics - Far end signal to crosstalk ratio

Frequency (MHz)	FESXTR dB/30m (min)
0.01	55
0.30	80
1.00	110
2.00	115
17.0	115

