

# BT 3002 Coaxial Cables

## BT3002 8 Core

### Construction

Inner conductor	Bare copper	Φ0.31 mm
Dielectric	Solid PE	Φ1.95 mm
Outer conductor (shield 1)	Tinned copper braid	Φ2.35 mm
Shield coverage 1		91%
Outer conductor (shield 2)	Tinned copper braid	Φ2.75 mm
Shield coverage 2		90%
Inner sheath	PVC(8 x single core)	Φ13.45 mm
Outer sheath	PVC	Φ16.0 mm

### Electrical & Mechanical Characteristics

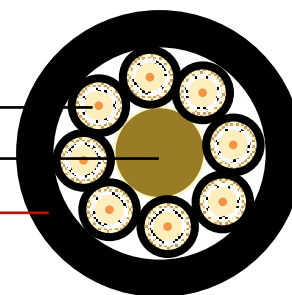
Impedance	75±5 Ohm
Nominal capacitance	66 pF/m
Velocity of propagation	67%
Insulation resistance	>5000 Mohm.Km
Max. conductor resistance	236 Ohm/Km
Rated temperature	70°C
Cable weight (approx.)	335kg/km



BT3002 single core

Reinforcement

PVC sheath



### Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation(dB/100ft)
1	2.3	0.7
4	4.5	1.4
5	4.8	1.5
17	9.2	2.8
70	18.7	5.7
100	22.5	6.9
200	32.0	9.8