

**CABLE TYPE** BT3002 Multi Core

**GENERAL DESCRIPTION** 75 Ohm Coaxial Cable suitable for the Interconnection of Data or Information Processing Equipment

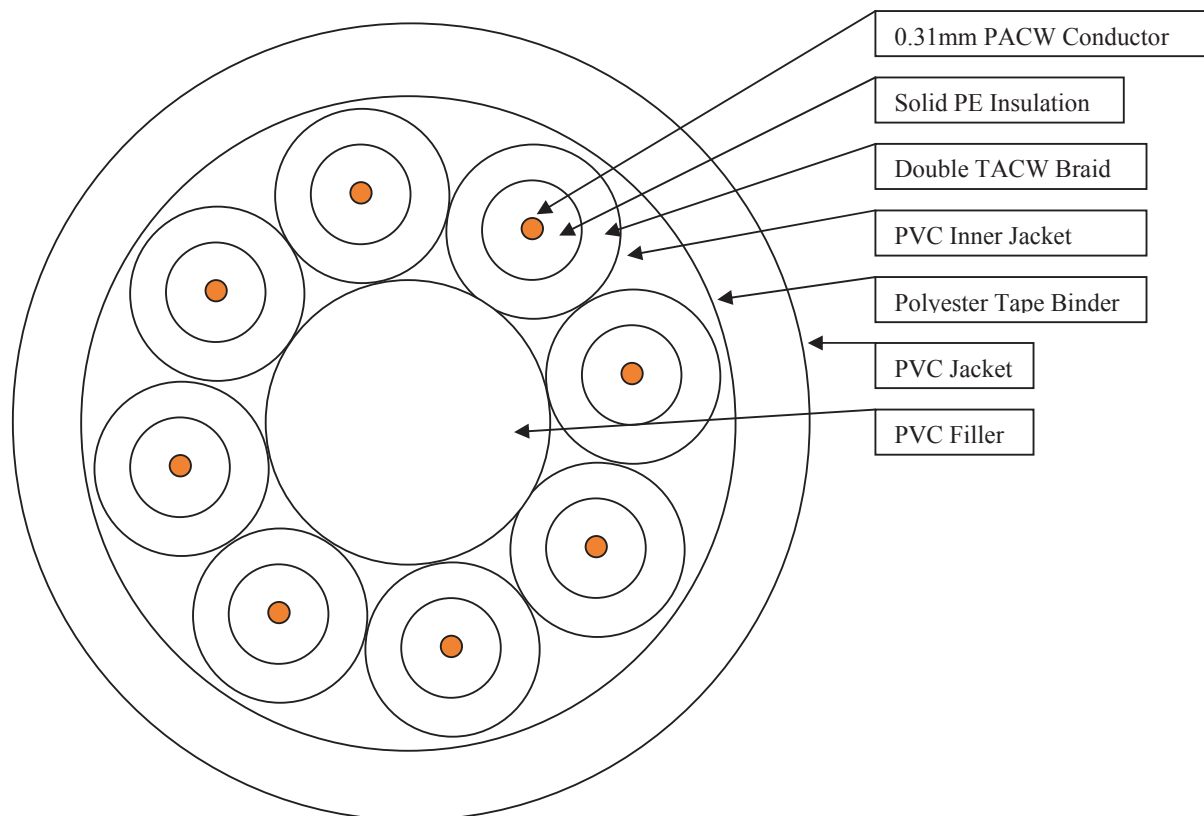
**RELEVANT STANDARDS** In Accordance with BT 1383A & BT CW1407

<b><u>COMPONENT</u></b>	<b><u>MATERIAL BREAKDOWN</u></b>	<b><u>DIAMETER</u></b>
<b><u>COAX CONSTRUCTION</u></b>		
<b>Inner Conductor</b>	0.31mm plain annealed copper wire solid	0.31 mm
<b>Dielectric</b>	Polyethylene	1.95 mm
<b>Screen 1</b>	Nominal wall RT = 0.80mm 0.10mm T.A.C.W. 16 spindle carrier 5 wire ends per spindle Coverage of 91%	2.40 mm
<b>Screen 2</b>	0.10mm T.A.C.W. 16 spindle carrier 6 wire ends per spindle Coverage of 90%	2.85 mm
<b>Jacket</b>	Polyvinyl chloride BT-TM1 Nominal wall RT = 0.35mm	3.55 mm
<b><u>FINAL CONSTRUCTION</u></b>		
<b>Lay Up</b>	Cores as above twisted together	
<b>Binder</b>	Spiral wrapped with a polyester tape, 25% overlap	
<b>Jacket</b>	Polyvinyl Chloride BT TM1 Incorporate ripcord under sheath to facilitate removal	

<b>Product</b>	<b>Bunch O.D mm</b>	<b>Sheath O.D mm</b>	<b>Radiall mm</b>	<b>Weight kg/km</b>
4 Core	8.70	10.30	0.80	135
8 Core	13.45	16.05	1.30	335
12 Core	14.85	17.50	1.30	370
16 Core	16.80	19.60	1.40	500
24 Core	21.40	24.60	1.60	715
32 Core	23.90	27.10	1.60	925

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## Cable Drawing



## ELECTRICAL PARAMETERS

Capacitance	67.0 □ 2.0pF/m @1kHz
Impedance	75.0 □ 4.0 □ @5MHz
Attenuation	2.1dB/100m maximum @1MHz 4.2dB/100m maximum @4MHz 8.66dB/100m maximum @17MHz 17.33dB/100m maximum @69MHz 18.41dB/100m maximum @78MHz
Dielectric withstand	3.5kV rms or 5.3kV dc for 1 minute
Insulation resistance	20,000M □ km minimum @500V dc after 1 minute
DC resistance inner	23.6 □ /100m maximum @20°C

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