



75 Ohm CAI Approved Digital / Satellite Coaxial
Manufactured to BS EN 5011-1:2002

Physical Characteristics

Conductor:	Single Bare Copper
Size:	1/1.00mm
Dielectric:	Gas Injected PE [04.65mm]
Screening:	100% Copper Tape
Screening:	56% Bare Copper Braid [0.12mm x16 x5]
Outer Sheath:	PVC or LSZH
Sheath Colours:	PVC – Black, Brown, White LSZH – Black
Weight:	O6.70mm 40kg/KM

Electrical Characteristics

Conductor DC Resistance	23.7 [Ω /km]
Outer Conductor Resistance	15 [Ω /km]
Rated Temperature	80°C
Rated Voltage	300V
Insulation Resistance	>500 [M Ω /km]
Nominal Capacitance	<58pF/M [+}10%]
Velocity Ratio	80%
Nominal Impedance	75 Ω

Attenuation / Return Loss

Attenuation	Return Loss
@20°C (dB/100M)	dB (\pm 10%)
5MHz 1.6	5MHz – 30MHz >23
50MHz 4.6	30MHz – 470MHz >23

100MHz 6.5
200MHz 9.5
460MHz 15.0
860MHz 19.5
1000MHz 21.5
1750MHz 29.0
2150MHz 32.5

470MHz – 862MHz >20
862MHz – 2150MHz >18

Screening Attenuation
dB ($\pm 10\%$)
30MHz – 470MHz >75
470MHz – 862MHz >75
862MHz – 2150MHz >65