

Technical Document
BSkyB Twin 63-008A 75ohm Coax
PVC Black CAI Approved

webro

Part Number: 570020E-BLK

Description: BSkyB Twin 63-008A 75ohm Coax
PVC Black, CAI Approved



Product Construction

Conductor Material	:	Plain Annealed Copper
Conductor Stranding	:	Solid, 1/0.65mm
Dielectric Material	:	Foam Polyethylene (FPE)
Dielectric Diameter	:	2.90mm $\pm$ 0.10
Screening 1	:	Overall Aluminium Foil
Screening 1 Coverage	:	> 100%
Screening 2	:	Tinned Copper Wire Braid
Screening 2 Coverage	:	> 85% $\pm$ 3
Sheath Material	:	Polyvinyl Chloride (PVC)
Sheath Colour	:	Black



Mechanical Characteristics

Overall Diameter	:	6.7mm x 9.6mm $\pm$ 0.2mm
Temperature Range	Fixed	-15°C to +70°C
	Flexing	-5°C to +70°C
Bend Radius	:	10 x Overall Diameter
Weight	:	65 kg/km

Electrical Characteristics

Inner Conductor DC Resistance	:	$\leq$ 55 Ω /km @ 20°C
Outer Conductor DC Resistance	:	$\leq$ 16 Ω /km @ 20°C
Characteristic Impedance	:	75 Ω $\pm$ 3
Nominal Capacitance	:	53 pF/m $\pm$ 3
Velocity of Propagation	:	83%

Attenuation @20°C

Frequency (MHz)	Attenuation (per 100m)	Frequency (MHz)	Attenuation (per 100m)
5	$\leq$ 2.7 dB	860	$\leq$ 30.0 dB
50	$\leq$ 7.5 dB	1000	$\leq$ 32.5 dB
100	$\leq$ 10.0 dB	1750	$\leq$ 42.2 dB
200	$\leq$ 13.8 dB	2150	$\leq$ 47.0 dB
460	$\leq$ 21.4 dB		

Return Loss @ 20°C

Frequency (MHz)	Return Loss
5MHz - 30MHz	$\geq$ 23 dB
30MHz - 470MHz	$\geq$ 23 dB
470MHz - 862MHz	$\geq$ 20 dB
862MHz - 2150MHz	$\geq$ 15 dB

Certifications & Standards

CAI Certification	:	CAI 0011D
Flame Retardancy	:	BS EN 60332-1-2
RoHS 3 Compliant	:	Yes
REACH Compliant	:	Yes
UKCA CPR Classification	:	Eca to BS EN 50575:2014+A1:2016



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