

Technical Document
RG6 CCS 75ohm Coax
PVC Brown

webro

Part Number: 441006E-BRN

Description: RG6 CCS 75ohm Coax PVC Brown



Product Construction

Conductor Material	:	Copper Clad Steel
Conductor Stranding	:	Solid, 1/1.00mm
Dielectric Material	:	Foam Polyethylene (FPE)
Dielectric Diameter	:	4.8mm \pm 0.20
Screening 1	:	Overall Aluminium Foil
Screening 1 Coverage	:	> 100%
Screening 2	:	Aluminium Wire Braid
Screening 2 Coverage	:	> 35% \pm 3
Sheath Material	:	Polyvinyl Chloride (PVC)
Sheath Colour	:	Brown



Mechanical Characteristics

Overall Diameter	:	6.8mm \pm 0.2mm
Temperature Range	Fixed :	-15°C to +70°C
	Flexing :	-5°C to +70°C
Bend Radius	:	10 x Overall Diameter
Weight	:	41 kg/km

Electrical Characteristics

Inner Conductor DC Resistance	:	\leq 125 Ω /km @ 20°C
Outer Conductor DC Resistance	:	\leq 54 Ω /km @ 20°C
Characteristic Impedance	:	75 Ω \pm 3
Nominal Capacitance	:	50 pF/m \pm 3
Velocity of Propagation	:	81%

Attenuation @20°C

Frequency (MHz)	Attenuation (per 100m)	Frequency (MHz)	Attenuation (per 100m)
100	\leq 10.1 dB	1000	\leq 22.8 dB
200	\leq 11.5 dB	1350	\leq 25.2 dB
500	\leq 15.5 dB	1750	\leq 30.2 dB
800	\leq 19.8 dB	2150	\leq 31.5 dB

Return Loss @ 20°C

Frequency (MHz)	Return Loss
5MHz - 470MHz	\geq 20 dB
470MHz - 2150MHz	\geq 18 dB

Certifications & Standards

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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