

RG6 CCS SDU Coaxial Cable PVC White – CAI Approved



Part Number: 441008E-WHT

Description: RG6 CCS SDU Coaxial Cable PVC White – CAI Approved

**Product Construction**

Conductor Material	:	Copper Clad Steel
Conductor Stranding	:	Solid, 1/1.00mm
Dielectric Material	:	Foam Polyethylene (FPE)
Dielectric Diameter	:	4.7mm ± 0.20
Screening 1	:	Overall Aluminium Foil
Screening 1 Coverage	:	> 100%
Screening 2	:	Aluminium Wire Braid
Screening 2 Coverage	:	> 45% ± 3
Sheath Material	:	Polyvinyl Chloride (PVC)
Sheath Colour	:	White

**Mechanical Characteristics**

Overall Diameter	:	6.7mm ± 0.20mm	
Temperature Range	:	Fixed -15°C to +70°C	Flexing -5°C to +70°C
Bend Radius	:	10 x Overall Diameter	
Weight	:	44kg/km	

**Electrical Characteristics**

Inner Conductor DC Resistance	:	≤ 105 Ω/km @ 20°C
Outer Conductor DC Resistance	:	≤ 63.5 Ω/km @ 20°C
Characteristic Impedance	:	75 Ω ± 3Ω
Nominal Capacitance	:	53 pF/m
Velocity of Propagation	:	83%

**Attenuation @20°C**

Frequency (MHz)	Attenuation (per 100m)	Frequency (MHz)	Attenuation (per 100m)
5	≤ 2.0 dB	860	≤ 20.2 dB
50	≤ 4.9 dB	1000	≤ 21.8 dB
100	≤ 6.9 dB	1750	≤ 28.8 dB
200	≤ 9.7 dB	2150	≤ 32.0 dB
400	≤ 14.8 dB		

**Return Loss @ 20°C**

Frequency (MHz)	Return Loss
5MHz – 30MHz	≥ 23 dB
30MHz – 470MHz	≥ 23 dB
470MHz – 862MHz	≥ 20 dB
862MHz – 2150MHz	≥ 18 dB



**Certifications & Standards**

CAI Certification	:	CAI 0110F
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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