

Part Number: 441006E-BLK-01
 Description: RG6 CCS 75ohm Coax PVC Black



Product Construction

Conductor Material	:	Copper Clad Steel
Conductor Stranding	:	Solid, 1/1.02mm
Dielectric Material	:	Foam Polyethylene (FPE)
Dielectric Diameter	:	4.6mm ± 0.10
Screening 1	:	Overall Aluminium Foil
Screening 1 Coverage	:	> 100%
Screening 2	:	Aluminium Wire Braid
Screening 2 Coverage	:	> 35% ± 3
Sheath Material	:	Polyvinyl Chloride (PVC)
Sheath Colour	:	Black



Mechanical Characteristics

Overall Diameter	:	6.8mm ± 0.2mm
Temperature Range	Fixed	-15°C to +70°C
	Flexing	0°C to +60°C
Bend Radius	:	10 x Overall Diameter
Weight	:	41 kg/km

Electrical Characteristics

Inner Conductor DC Resistance	:	≤ 120 Ω/km @ 20°C
Outer Conductor DC Resistance	:	≤ 54 Ω /km @ 20°C
Characteristic Impedance	:	75 Ω ± 3
Nominal Capacitance	:	53 pF/m ± 3
Velocity of Propagation	:	82%

Attenuation @20°C

Frequency (MHz)	Attenuation (per 100m)	Frequency (MHz)	Attenuation (per 100m)
100	≤ 10.1 dB	1000	≤ 22.8 dB
200	≤ 11.5 dB	1350	≤ 25.2 dB
500	≤ 15.5 dB	1750	≤ 30.2 dB
800	≤ 18.8 dB	2150	≤ 32.5 dB

Return Loss @ 20°C

Frequency (MHz)	Return Loss
5MHz - 470MHz	≥ 20 dB
470MHz - 2150MHz	≥ 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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