

RG142 B/U 50 Ohm RG Coaxial FEP

Technical Datasheet

Description: RG142 B/U 50 Ohm RG Coaxial FEP



Construction

Conductor Material : Silver Plated Copper Clad Steel (SPCCS)
Stranding : 1/x 0.94mm
Dielectric : Polytetrafluoroethylene (PTFE)
Diameter of Dielectric : 2.95mm
1st Screen Material : Silver Plated Copper Wire Braid
Coverage : 95%
2nd Screen Material : Silver Plated Copper Wire Braid
Coverage : 95%
Outer Sheath Material : Fluorinated Ethylene Propylene (FEP)
Outer Sheath Colour : Tan

Electrical Characteristics

Impedance : 50 Ω
Capacitance : 96.5 pF /m
Velocity of Propagation : 70 %
Conductor Resistance : < 63.3 Ω /km
Screen Resistance : < 7.5 Ω /km
Maximum Operating Frequency : 8000 MHz
Maximum Operating Voltage : 1900 V
Attenuation @ 20°C

Frequency (MHz)	Attenuation (dB/100m)	Frequency (MHz)	Attenuation (dB/100m)
10	3.6	900	40.4
50	8.5	1000	43.0
100	12.5	2000	63.3
200	17.7	3000	79.4
400	25.9	5000	107.0
700	35.1	8000	141.7

Physical Characteristics

Overall Diameter : 4.95mm
Min. Bend Radius : 10 x OD
Temperature Rating : -55°C to +200°C

Standards

RoHS2 Compliant : Yes

Connectors Cables Specialists (CCS) Ltd

Tel: 01279 639251 Fax: 01279 641118

www.ccsukltd.co.uk

sales@ccsukltd.co.uk