

Part No: 390316DB
Description: RG316 /U Double Braid 50 Ohm RG Coaxial FEP



Construction

Conductor Material : Silver Plated Copper Clad Steel (SPCCS)
 Stranding : 7 x 0.17mm
 Dielectric : Polytetrafluoroethylene (PTFE)
 Diameter of Dielectric : 1.52mm
 1st Screen Material : Silver Plated Copper Wire Braid
 Coverage : 95%
 2nd Screen Material : Silver Plated Copper Wire Braid
 Coverage : 93%
 Outer Sheath Material : Fluorinated Ethylene Propylene (FEP)
 Outer Sheath Colour : Tan

Electrical Characteristics

Impedance : 50 Ω
 Capacitance : 95 pF /m
 Velocity of Propagation : 69.5 %
 Conductor Resistance : < 277.2 Ω /km
 Screen Resistance : < 20.0 Ω /km
 Maximum Operating Frequency : 3000 MHz
 Maximum Operating Voltage : 1200 V
 Voltage Withstand : 2000 V
 Spark Test : 2000 V

Attenuation

Frequency (MHz)	Attenuation (dB/100m)	Frequency (MHz)	Attenuation (dB/100m)
50	18.4	700	74.8
100	27.2	900	86.3
200	36.1	1000	93.8
400	54.8	3000	179.8

Physical Characteristics

Overall Diameter : 2.6mm
 Min. Bend Radius : 10 x OD
 Temperature Rating : -55°C to +200°C
 Weight : 22 kg/km

Standards

RoHS2 Compliant : Yes