

Part No: 390213H
Description: RG213 /U 50 Ohm RG Coaxial Black LSHF. Made In Compliance With The MIL-C-17F Standards



Construction

Conductor Material : Bare Copper
 Stranding : 7 /0.75mm
 Dielectric : Polyethylene (PE)
 Diameter of Dielectric : 7.25mm (+/- 0.15mm)
 Screen Material : Bare Copper Wire Braid
 Coverage : 97%
 Outer Sheath Material : Low Smoke Halogen Free (LSHF)
 Outer Sheath Colour : Black

Electrical Characteristics

Impedance : $50 \pm 2 \Omega$
 Capacitance : 100 pF /m
 Velocity of Propagation : 66 %
 Inner Conductor Resistance : $\leq 6 \Omega / \text{km}$
 Outer Conductor Resistance : $\leq 4.4 \Omega / \text{km}$
 Spark Test : 5.5 kV

Attenuation

Frequency (MHz)	Attenuation (dB/100m)	Frequency (MHz)	Attenuation (dB/100m)	Frequency (MHz)	Attenuation (dB/100m)
5	1.2	500	15.3	1750	33.7
10	1.8	600	16.9	2150	38.9
50	4.3	800	20.4	2250	39.7
100	6.4	1000	23.2	2500	42.7
200	9.5	1350	28.4	2750	45.7
400	13.7	1500	30.4	3000	48.9

Return Loss
 30-300 MHz : > 31 dB
 300-600 MHz : > 28 dB
 600-9000 MHz : > 27 dB
 1000-2000 MHz : > 24 dB
 2000-3000 MHz : > 22 dB

Screen Attenuation 100-900 MHz : > 57 dB

Physical Characteristics

Overall Diameter : $10.3 \pm 0.2 \text{ mm}$
 Min. Bend Radius : 10 x OD
 Installation : 10 x OD
 Repeated : 5 x OD
 Temperature Rating : -30°C to +70°C
 Weight : 165 kg/km

Standards

RoHS2 Compliant : Yes