

Part No: 390214-E00
Description: RG 214 /U 50 Ohm Coaxial Cable Solid Polyethylene Insulation, Double Silver Plated Copper Braid PVC Black Sheath



Construction

Conductor Material : Silver Plated Copper
 Conductor Size : 7/0.75 mm
 Dielectric : Solid Polyethylene (SPE)
 Diameter of Dielectric : 7.25 mm
 1st Screen Material : Silver Plated Copper Wire Braid (≥90% Coverage)
 2nd Screen Material : Silver Plated Copper Wire Braid (≥93% Coverage)
 Outer Sheath Material : Polyvinyl Chloride (PVC)
 Outer Sheath Colour : Black

Electrical Characteristics

Impedance : 50 Ω ± 3
 Capacitance : 101 pF /m ± 3
 Velocity of Propagation : 66 % ± 3
 Min Insulation Resistance @20°C : > 2 GΩKM
 Max. Conductor Resistance : ≤ 6.0 Ω /km
 Voltage Rating : 30V

Attenuation @ 20°C

Frequency (MHz)	Attenuation (dB/100m)	Frequency (MHz)	Attenuation (dB/100m)	Frequency (MHz)	Attenuation (dB/100m)
5	1.3	500	16.1	1750	35.2
10	1.9	600	17.8	2150	40.5
50	4.5	800	21.3	2250	41.5
100	6.7	1000	24.3	2500	44.7
200	9.9	1350	29.7	2750	47.9
400	14.3	1500	31.7	3000	51.3

Physical Characteristics

Overall Diameter : 10.8 mm (±0.10mm)
 Min. Bend Radius : 10 x OD
 Temperature Rating : -20°C to +70°C
 Weight : 173 kg/km

Standards

Flame Retardant : BS EN 60332-1-2
 RoHS3 Compliant : Yes
 CE Compliant : LVD (2014/35/EU), CPR (305/2011)
 CPR Classification : Eca (EN50575:2014+A1:2016)