

**Part No:** 390213H-E00  
**Description:** RG 213 /U 50 Ohm Coaxial Cable Solid Polyethylene Insulation, Bare Copper Braid Low Smoke Halogen Free (LSHF) Black Sheath



### Construction

Conductor Material : Bare Copper  
 Conductor Size : 7/0.75 mm  
 Dielectric : Solid Polyethylene (SPE)  
 Diameter of Dielectric : 7.25 mm  
 Screen Material : Bare Copper Wire Braid (≥97% Coverage)  
 Outer Sheath Material : Low Smoke Halogen Free (LSHF)  
 Outer Sheath Colour : Black

### Electrical Characteristics

Impedance : 50 Ω ± 3  
 Capacitance : 100 pF /m ± 3  
 Velocity of Propagation : 66 % ± 3  
 Max. Conductor Resistance : ≤ 6.0 Ω /km  
 Max. Screen Resistance : ≤ 4.4 Ω /km  
 Voltage Rating : 30V

### Attenuation @ 20°C

Frequency (MHz)	Attenuation (dB/100m)	Frequency (MHz)	Attenuation (dB/100m)	Frequency (MHz)	Attenuation (dB/100m)	Frequency (MHz)	Return Loss (≥dB)
5	1.2	500	15.3	1750	33.7	30 – 300	31
10	1.8	600	16.9	2150	38.9	300 – 600	28
50	4.3	800	20.4	2250	39.7	600 – 1000	27
100	6.4	1000	23.2	2500	42.7	1000 – 2000	24
200	9.5	1350	28.4	2750	45.7	2000 - 3000	22
400	13.7	1500	30.4	3000	48.9		

### Physical Characteristics

Overall Diameter : 10.3 mm (±0.10mm)  
 Min. Bend Radius : 10 x OD  
 Temperature Rating : -20°C to +70°C  
 Weight : 166 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)