

**Part No:** 390058H-E00  
**Description:** RG 58 C/U 50 Ohm Coaxial Cable Solid Polyethylene Insulation, Tinned Copper Braid Low Smoke Halogen Free Black Sheath



### Construction

Conductor Material : Tinned Copper  
 Conductor Size : 19/0.18 mm  
 Dielectric : Solid Polyethylene (SPE)  
 Diameter of Dielectric : 2.95 mm  
 Screen Material : Tinned Copper Wire Braid Screen (≥91% Coverage)  
 Outer Sheath Material : Low Smoke Halogen Free (LSHF)  
 Outer Sheath Colour : Black

### Electrical Characteristics

Impedance : 50 Ω ± 3  
 Capacitance : 98 pF /m ± 3  
 Velocity of Propagation : 66 % ± 3  
 Min Insulation Resistance @20°C : > 2 GΩKM  
 Max. Conductor Resistance : ≤ 39.0 Ω /km  
 Voltage Rating : 30V

### Attenuation @ 20°C

Frequency (MHz)	Attenuation (dB/100m)	Frequency (MHz)	Attenuation (dB/100m)	Frequency (MHz)	Attenuation (dB/100m)
5	2.7	400	30.0	1000	51.8
10	4.1	500	34.2	1350	61.2
50	9.7	600	37.9	1500	65.6
100	13.9	800	45.1	1750	71.6
200	20.4				

### Physical Characteristics

Overall Diameter : 5.0 mm (±0.10mm)  
 Min. Bend Radius : 10 x OD  
 Temperature Rating : -20°C to +70°C  
 Weight : 46 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)