

Part No: 390058L-E00
Description: RG 58 C/U 50 Ohm Coaxial Cable Solid Polyethylene Insulation, Tinned Copper Braid Low Smoke & Fume (LSF) 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 ($\geq 91\%$ Coverage)
 Outer Sheath Material : Low Smoke & Fume (LSF)
 Outer Sheath Colour : Black

Electrical Characteristics

Impedance : $50 \Omega \pm 3$
 Capacitance : $98 \text{ pF/m} \pm 3$
 Velocity of Propagation : $66\% \pm 3$
 Min Insulation Resistance @20°C : $> 2 \text{ G}\Omega\text{KM}$
 Max. Conductor Resistance : $\leq 39.0 \Omega / \text{km}$
 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 ($\pm 0.10\text{mm}$)
 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)