

Part No: 391067H-E00
Description: URM 67 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 ($\geq 97\%$ Coverage)
 Outer Sheath Material : Low Smoke Halogen Free (LSHF)
 Outer Sheath Colour : Black

Electrical Characteristics

Impedance : $50 \Omega \pm 3$
 Capacitance : $100 \text{ pF / m} \pm 3$
 Velocity of Propagation : $66 \% \pm 3$
 Max. Conductor Resistance : $\leq 6.0 \Omega / \text{km}$
 Max. Screen Resistance : $\leq 4.4 \Omega / \text{km}$
 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 ($\geq \text{dB}$)
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 ($\pm 0.10\text{mm}$)
 Min. Bend Radius : 10 x OD
 Temperature Rating : -20°C to $+70^\circ\text{C}$
 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)