

Part No: 392125H-E00
Description: TV125 75 Ohm Low Smoke Halogen Free (LSHF) Black Coaxial Cable



Construction

Conductor Material : Solid Bare Copper
 Conductor Size : 1/1.25 mm
 Dielectric : Foam Polyethylene (FPE)
 Diameter of Dielectric : 5.5 mm
 1st Screen Material : Plain Copper Foil
 2nd Screen Material : Bare Copper Wire Braid (>55% Coverage)
 Outer Sheath Material : Low Smoke Halogen Free (LSHF)
 Outer Sheath Colour : Black

Electrical Characteristics

Impedance : 75 Ω ± 3
 Capacitance : 53 pF /m ± 3
 Velocity of Propagation : 81 %
 Conductor Resistance @ 20°C : ≤ 15 Ω /km
 Screen Resistance @ 20°C : ≤ 13 Ω /km

Attenuation @ 20°C

Frequency (MHz)	Attenuation (dB/100m)	Frequency (MHz)	Attenuation (dB/100m)
5	< 1.5	860	< 15.5
50	< 3.5	1000	< 17.0
100	< 5.0	1750	< 22.0
200	< 7.5	2150	< 26.0
460	< 11.5		

Return Loss @ 20°C

Frequency (MHz)	Return Loss (dB)
5-470	≥ 23
470-862	≥ 20
862-2150	≥ 18
2150-3000	≥ 18



Physical Characteristics

Overall Diameter : 7.8 mm ± 0.2mm
 Bending Radius : 20 x OD
 Temperature Rating : Fixed -15°C to +70°C Flexing -10°C to 70°C
 Weight : 58 kg/km

Standards

Flame Retardant : BS EN 60332-1-2
 RoHS Compliant : Yes
 CE Compliant : LVD (2014/35/EU), CPR (305/2011)
 CPR Classification : Eca (EN50575:2014+A1:2016)
 UV and Weather Resistant : ISO 4892-3*
 : *Applies to all Batches ST***** Onwards