

Part No: 392100H-B204
Description: TV100 / RG 6 Tri-Shield 75 Ohm LSHF Black Coaxial Cable



Construction

Conductor Material : Solid Bare Copper
 Conductor Size : 1/1.02 mm
 Dielectric : Gas Injected Skin/Foam/Skin PE (SFS PE)
 Diameter of Dielectric : 4.6 mm
 1st Screen Material : Bonded Aluminium Foil
 2nd Screen Material : Tinned Copper Wire Braid Screen
 3rd Screen Material : Bonded Aluminium Foil
 Outer Sheath Material : Low Smoke Halogen Free (LSHF)
 Outer Sheath Colour : Black

Electrical Characteristics

Impedance : 75 Ω ± 3
 Capacitance : 53 pF / m ± 2
 Velocity of Propagation : 84 %
 Insulation Resistance : > 2G Ωxkm
 Conductor Resistance : ≤ 22.1 Ω /km
 Transfer Impedance 5 – 30 MHz : ≤ 1.5 mΩ/m

Attenuation @ 20°C

Frequency (MHz)	Attenuation (dB/100m)	Frequency (MHz)	Attenuation (dB/100m)
5	1.5	1000	20.10
50	4.3	1200	22.80
230	8.5	2150	31.50
470	13.6	3000	38.20
860	18.6		

Return Loss @ 20°C

Frequency (MHz)	Return Loss (dB)
5-470	> 30
470-1200	> 25
1200-2000	> 23
2000-3000	> 18

Screening Attenuation

Frequency (MHz)	Attenuation (dB)
30-1200	≥ 110
1200-2000	≥ 95
2000-3000	≥ 85

Physical Characteristics

Overall Diameter : 6.8 mm (±0.2mm)
 Min. Bend Radius : 5 x OD
 Temperature Rating : 0°C to +70°C
 Weight : 51 kg/km

Standards

Screening Class : EN 50117-2-4 Class A+
 Flame Retardant : BS EN 60332-1-2
 Low Smoke Generation : BS EN 61034-2
 Halogen Gas Emission : BS EN 60754-1&2
 RoHS3 Compliant : Yes
 CE Compliant : LVD (2014/35/EU), CPR (305/2011)
 CPR Classification : B2ca s1a, d1, a1 (EN50575:2014+A1:2016)