

Part No: 392100H-C04
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 : Cca s1a, d1, a1 (EN50575:2014+A1:2016)
UV & Weather Resistant : ISO 4892-3