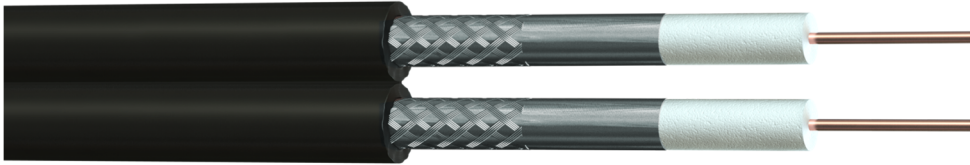


Part No: 392065CAISHOTGUN-E00
Description: WF100 75 Ohm Low Smoke & Fume (LSF) Black Coaxial Cable

Construction

Conductor Material : Solid Bare Copper
 Conductor Size : 1/0.65 mm
 Dielectric : Foam Polyethylene (FPE)
 Diameter of Dielectric : 2.9 mm
 1st Screen Material : Aluminium Foil
 2nd Screen Material : Tinned Copper Wire Braid (>85% Coverage)
 Outer Sheath Material : Polyvinyl Chloride (PVC)
 Outer Sheath Colour : Black

Electrical Characteristics

Impedance : 75 Ω ± 3
 Capacitance : 65 pF /m ± 2
 Velocity of Propagation : 81 %
 Conductor Resistance @ 20°C : ≤ 55 Ω /km
 Screen Resistance @ 20°C : ≤ 16 Ω /km

Attenuation @ 20°C

Frequency (MHz)	Attenuation (dB/100m)	Frequency (MHz)	Attenuation (dB/100m)
5	< 2.7	860	< 30.0
50	< 7.5	1000	< 32.5
100	< 10.0	1750	< 42.2
200	< 13.8	2150	< 47.0
460	< 21.4		

Return Loss @ 20°C

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

Physical Characteristics

Overall Diameter : 4.6 x 9.5 mm (±0.3 x 0.6mm)
 Bending Radius : 10 x OD
 Temperature Rating : Fixed -15°C to +70°C Flexing -5°C to 70°C
 Weight : 53 kg/km

Standards

Screening Class : BS EN 50117
 Flame Retardant : BS EN 60332-1-2
 RoHS3 Compliant : Yes
 CAI Certification : CAI0002
 CE Compliant : LVD (2014/35/EU), CPR (305/2011)
 CPR Classification : Eca (EN50575:2014+A1:2016)