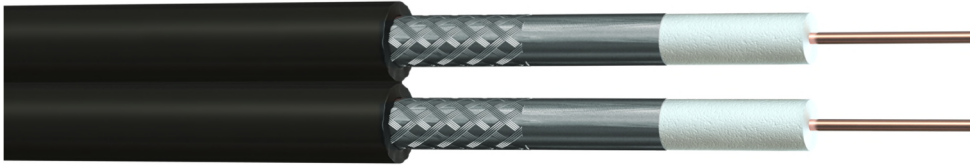


Part No: 392065CAISHOTGUN-E00
Description: WF100 75 Ohm Low Smoke & Fume (LSF) Black Coaxial Cable

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)

FS Cables Ltd | 01727 840 841 | sales@fscables.com | www.fscables.com | Part Number: 392065CAISHOTGUN-E00
 Export Sales | +44 1727 849 841 | sales@fscglobal.com | www.fscglobal.com | Date: 02/09/2020

Information and images on this technical datasheet are intended for guidance only and products may vary due to manufacturing changes, technical improvements and commercial factors. We reserve the right to amend the product information without notice or liability. Author: GB Checked: GB

Revision: 1.0
 Page Number: 1 of 1