

Part No: 392FS100H
Description: The FS range of cable television and video cables is used primarily to carry TV, Satellite and CCTV signals.



Construction

Conductor Material : Bare Copper
 Stranding : 1/1.0mm
 Dielectric : Foamed Polyethylene (FPE)
 Diameter of Dielectric : 4.6mm (+/- 0.1mm)
 1st Screen Material : Plain Copper Foil, 100% Coverage
 2nd Screen Material : Bare Copper Wire Braid, >40% Coverage
 Sheath Material : Low Smoke Halogen Free (LSHF)
 Sheath Colour : Black

Electrical Characteristics

Impedance : 75 ± 1Ω
 Capacitance : 55 pF /m
 Velocity of Propagation : 81 %
 Conductor Resistance : < 26 Ω/km
 Outer Conductor Resistance : < 15 Ω/km

Attenuation

Frequency (MHz)	Attenuation (dB/100m)	Frequency (MHz)	Attenuation (dB/100m)
5	1.6	860	19.5
50	4.6	1000	21.5
100	6.5	1750	29.0
200	9.5	2150	32.5
460	15.0		

Return Loss

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

Physical Characteristics

Overall Diameter : 6.7 ± 0.1mm
 Min. Bend Radius : 10 x OD
 Temperature Rating : Flexing -5°C to +70°C
 : Fixed -15°C to +70°C
 Weight : 49 kg/km

Standards

Flame Retardant : EN 60332-1-2, EN 50399
 RoHS Compliant : Yes
 Specification : BS EN 50117
 CE Compliant : CPR (305/2011)
 CPR Classification : Eca
 UV & Weather Resistant : ISO 4892-3

