

**Part No:** 392FS100  
**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)  
 1<sup>st</sup> Screen Material : Plain Copper Foil, 100% Coverage  
 2<sup>nd</sup> Screen Material : Bare Copper Wire Braid, >40% Coverage  
 Sheath Material : Low Smoke and Fume (LSF)  
 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 : Yes  
 RoHS Compliant : BS EN 50117  
 Specification : CPR (305/2011)  
 CE Compliant : Eca  
 CPR Classification : Eca  
 UV & Weather Resistant : ISO 4892-3

