

**Part No:** 392167H  
**Description:** TV167 75 Ohm Low Smoke Halogen Free (LSHF) Black Coaxial Cable



### Construction

Conductor Material : Solid Bare Copper  
 Conductor Size : 1/1.67 mm  
 Dielectric : Foam Polyethylene (FPE)  
 Diameter of Dielectric : 7.25 mm  
 1<sup>st</sup> Screen Material : Plain Copper Foil  
 2<sup>nd</sup> Screen Material : Bare Copper Wire Braid (>55% Coverage)  
 Outer Sheath Material : Low Smoke Halogen free (LSHF)  
 Outer Sheath Colour : Black

### Electrical Characteristics

Impedance : 75 Ω ± 3  
 Capacitance : 53 pF /m ± 3  
 Velocity of Propagation : 81 %  
 Conductor Resistance @ 20°C : ≤ 10.5 Ω /km  
 Screen Resistance @ 20°C : ≤ 10 Ω /km

### Attenuation @ 20°C

Frequency (MHz)	Attenuation (dB/100m)	Frequency (MHz)	Attenuation (dB/100m)
5	< 1.0	860	< 12.5
50	< 3.0	1000	< 13.5
100	< 4.0	1750	< 19.0
200	< 6.0	2150	< 22.0
460	< 9.0		

### Return Loss @ 20°C

Frequency (MHz)	Return Loss (dB)
5-470	≥ 23
470-862	≥ 20
862-2150	≥ 18
2150-3000	≥ 18

### Physical Characteristics

Overall Diameter : 10.1 mm ± 0.2mm  
 Bending Radius : 20 x OD  
 Temperature Rating : Fixed -15°C to +70°C Flexing -10°C to 70°C  
 Weight : 115 kg/km

### Standards

Flame Retardant : BS EN 60332-1-2  
 RoHS3 Compliant : Yes  
 UV Resistance : ISO 4892-3  
 CE Compliant : LVD (2014/35/EU)