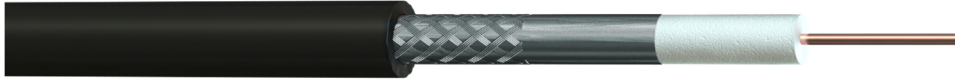


**Part No:** 390006C  
**Description:** This coaxial cable features a bonded aluminium foil and tinned copper wire braid, a foamed PE (polyethylene) dielectric and a 1.02mm solid copper clad steel conductor.



### Construction

Conductor Material : Solid Copper Clad Steel (30% Conductivity)  
 Stranding : 1/1.02mm  
 Dielectric : Foamed Polyethylene (FPE)  
 Diameter of Dielectric : 4.6mm (+/- 0.1mm)  
 1<sup>st</sup> Screen Material : Aluminium Foil, >100% Coverage  
 2<sup>nd</sup> Screen Material : Aluminium Wire Braid, >48% Coverage  
 Sheath Material : Polyvinyl Chloride (PVC)  
 Sheath Colour : Black

### Electrical Characteristics

Impedance : 75 ± 3Ω  
 Capacitance : < 53 ± 5 pF /m  
 Velocity of Propagation : 83 %  
 Conductor Resistance : 76 Ω/km

#### Attenuation

Frequency (MHz)	Attenuation (dB/100m)	Frequency (MHz)	Attenuation (dB/100m)
5	3.1	860	20.5
50	5.5	1000	22.5
100	6.8	1750	31.5
200	9.5	2150	34.5
460	15.0		

#### Return Loss

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

### Physical Characteristics

Overall Diameter : 6.8 ± 0.2mm  
 Min. Bend Radius : 10 x OD  
 Temperature Rating : -20°C to +70°C  
 Weight : 47 kg/km

### Standards

RoHS Compliant : Yes