

Application

Coaxial cables are suitable for many applications, including low power video, video signal, and broadband signals. They are also used in high frequency transmission, especially for transmitters and receivers, computers, radio and TV transmissions.

Construction

Inner conductor	Copper Clad Aluminium
Dielectric	Foam Polyethylene Insulation
Screen	Bonded Aluminium Tape
Screen	Tinned Copper Braid
Sheath	PE Sheath. (LSZH & UG options also available)

Mechanical Characteristics

1. Inner conductor diameter:	2.74 mm Copper Clad Aluminium
2. Insulation diameter:	7.25mm (Natural)
3.1 Screen:	Aluminium Polyester Foil tape (Bonded)
3.2 Screen:	Tinned Copper Wire Braid Coverage >90%
4. Sheath diameter:	10.10 ± 0.30mm
5. Cable Storage/operating temperature:	-15°C to +70°C
Minimum installation temperature:	-5 °C

Electrical characteristics

DC resistance Inner conductor:	≤ 4.6 Ω/km @ 20°C
DC resistance Outer conductor:	≤ 5.6 Ω/km @ 20°C
Characteristic Impedance:	50 ± 3Ωm
Capacitance:	75pF/m (nominal)
Velocity Ratio:	0.85
Attenuation (d/B 100m @ 20°C	
50Mhz	< 3.2
150Mhz	< 5.5
220Mhz	< 6.7
460Mhz	< 9.8
900Mhz	<14.1
1500Mhz	<18.5
1800Mhz	<20.5
2000MHz	<21.5
2500MHz	<24.4
5800MHz	<35.5

Return Loss

5 – 470MHz	≥25
470 – 862MHz	≥24
862 – 2150MHz	≥23

