

Coaxial Cables for CATV



Standard Jacket: SYWV-75-5 (CATV-5)

Characteristics

- Low Attenuation, low VSWR
- High expansion, high power rating
- Excellent environmental performance
- Mechanical Performance.

Application

Widely used in CATV system.

Construction

Inner conductor

Copper

Diameter(mm) 1.00 ± 0.02

Insulation

3 layers of Insulation

Diameter(mm) 4.8 ± 0.2

Outer conductor

Tinned copper and aluminum foil

Diameter(mm) 5.40 ± 0.20

Jacket

Thickness(mm) 0.9 ± 0.1

Diameter(mm) 7.2 ± 0.2

Electrical Performance

Impedance (Ω) 75 ± 2

Capacitance (pF/m) 56 ± 2

Velocity (%) 83

Attenuation(dB/100m)

Frequency Attenuation

5MHz 2.0

50MHz 4.7

200MHz 9.3

550MHz	16.1
800MHz	19.8
1000MHz	22.5

Frequency Shielding(dB)

5MHz	85
50MHz	85
200MHz	90
550MHz	90
800MHz	90

Return Loss dB min

VHF	22
UHF	20

Engineering data

Weigh(kg/km) 46

Temperature range(° C) -25~+70

Standard:SJ/T11138.1-1997