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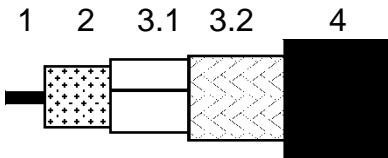
## Cable & Connectors

### WF100 Cables

#### 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



1	Inner conductor	Plain Copper
2	Dielectric	Foamed Polyethylene Insulation
3.1	Screen	Copper Tape
3.2	Screen	Copper Braid
4	Sheath	PVC Sheath. (LSF & UG options also available)

#### MECHANICAL CHARACTERISTICS

1. Inner conductor: Diameter:	1.00 mm Plain Annealed Copper
2. Insulation: Diameter:	4.80mm (Natural)
3.1 Screen:	Plain copper foil tape
3.2 Screen:	Plain Copper Wire Braid Coverage >40%
4. Sheath: Diameter:	6.55 ± 0.30mm
5. Cable: Storage/operating temperature:	-15°C to +70°C
Minimum installation temperature:	-5 °C

#### Electrical characteristics

DC resistance Inner conductor:	≤ 26 Ω/km @ 20°C
DC resistance Outer conductor:	≤ 15 Ω/km @ 20°C
Characteristic Impedance:	75 ± 3Ωm
Capacitance:	55pF/m (nominal)
Velocity Ratio:	0.81
Attenuation (d/B 100m @ 20°C)	
10Mhz	<1.8
50Mhz	<4.6
100Mhz	<6.5
200Mhz	<9.5
460Mhz	<15
860Mhz	<19.5
1000Mhz	<21.5
1750Mhz	<32.5

#### Return Loss

5 – 470MHz	≥23
470 – 862MHz	≥20
862 – 2150MHz	≥18



Certificate No. 4416

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