



## WF100 Cable

### Mechanical Characteristics

**Construction:**

Inner Conductor:	1.00mm Plain Annealed Copper
Dielectric:	Foamed Polyethylene Insulation
Screen:	Plain Copper Foil Tape
Screen:	Plain Copper Wire Braid
	Coverage >40%
Sheath:	Various
Insulation Diameter:	4.80mm (Natural)
Sheath Diameter:	6.55 ± 0.30mm
Storage/Operating Temperature:	-15°C to +70°C
Minimum Installation Temperature:	-5°C
Standard Reel Lengths:	100m
	250m
	500m
	Custom Length

\*Cable image and colours are for illustration purposes only and may vary.

### 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.

### Specifications

**CPR Class:**

**LSNH Sheath: Class D**  
**LSF Sheath Class E**  
**PVC Sheath Class E**

BS EN 50117  
 BS EN60332-1  
 CAI-007/100/05-2013  
 Approval Certificate: CAI0107\*  
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\*Refers to Year Code  
\*\* Certificate Superseded by CAI0107

### Electrical Characteristics

DC Resistance Inner Conductor:	≤ 26 Ω/km @ 20°C
DC Resistance Outer Conductor:	≤ 15 Ω/km @ 20°C
Characteristic Impedance:	75 ± 30Ωm
Capacitance:	55pF/m (nominal)
Velocity Ratio:	0.81
Attenuation (d/B 100m @ 20°C)	
5MHz	<1.60
50MHz	<4.60
100MHz	<6.50
200MHz	<9.50
460MHz	<15.0
860MHz	<19.5
1000MHz	<21.5
1750MHz	<29.0
2400MHz	<32.9*
3000MHz	<37.8*
Return Loss:	
5-470MHz	≥23
470-862MHz	≥20
862-2150MHz	≥18
2150-3000MHz	≥18

### Example Part Numbers

**590001-BLK-250**  
**590003-BLK-250**  
**590003LSNH-BLK-250**  
**590004-GRN**

Webro Part Number-Colour-Length

### Sheath Variations

	PVC	LSF	LSNH	UG
Webro Part Number	590001	590003	590003 LSZH	590004
Available Colours	WHT BLK BRN	WHT GRN BLK RED BRN YEL	WHT BLK BRN	GRN