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HD100 Ultra Cable

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.

Description

HD100 ultra coax cable consists of a 1.00mm solid plain copper conductor, foam polyethylene dielectric, copper foil tape, plain copper wire braid and a foil tape. Sheathed overall in LSNH.

Mechanical Characteristics

Inner Conductor:	1.00mm Plain Annealed Copper
Dielectric:	Foamed Polyethylene Insulation
Screen:	Plain Copper Foil Tape
Screen:	Plain Copper Wire Braid Coverage >40%
Screen:	Foil Tape
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 Custom Length

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

Example Part Numbers

590053-BLK-250

Webro Part Number-Colour-Length

Specifications

BS EN 50117
BS EN 60332-1
CAI-007/100/05-2013
Approval Certificate: CAI0068*
*Refers to Year code

Sheath Variations

	LSNH
Webro Part Number	590053
Available Colours	WHT BLK BRN

Electrical Characteristics

DC Resistance Inner Conductor:	≤ 26 Ω/km at 20°C
DC Resistance Outer Conductor:	≤ 15 Ω/km at 20°C
Characteristic Impedance:	75 ± 3Ohm
Capacitance:	55pF/m (nominal)
Velocity Ratio:	0.81
Attenuation (d/B 100m at 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
Return Loss:	
5 – 470MHz	≥23
470 – 862MHz	≥20
862 – 2150MHz	≥18

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