



Unit 6 Stort Mill, Riverway
Harlow, Essex CM20 2SN

T: 01279 639251
sales@ccsukltd.co.uk
www.ccsukltd.co.uk

Cable Specification

LLA100 – LMR100 Alternative 50ohm Coaxial Cable

Cable for use with RF connections, short antenna feed runs and jumper assemblies.



Image is for reference only. CCS Ltd

Construction

Conductor

Material: Copper Clad Steel
Construction: 1/0.46mm

Dielectric

Material: Foam Polyethylene
Diameter: 1.52mm

Foil Screen

Material: Bonded Aluminium Polyester Foil
Tape

Braid Screen

Material: Tinned Copper

Sheath

Material: Polyethylene
or
Low Smoke Zero Halogen
Diameter: 2.79mm

Mechanical Characteristics

Operating Temperature (°C): -40 to +80
Min. Installation Temperature (°C): -5

Electrical Characteristics at 20°C

Characteristic Impedance (Ω):	50±3
Capacitance (pF/m):	101.1
Velocity Ratio (%):	66
Attenuation (dB/100m):	
150MHz	24.9
220MHz	35.8
450MHz	51.9
900MHz	74.9
1500MHz	98.7
1800MHz	109.0
2000MHz	115.5
2500MHz	130.6
3000MHz	143.8
5800MHz	210.3

Compliance

RoHS II Directive (2011/65/EU & 2015/863)
REACH (1907/2006)

Part Options

LLA100 | LMR100 Alternative 50ohm Black PE
LLA100LSZH | LMR100 Alternative 50ohm Black LSZH

Connectors, cable preparation tools and crimp tools are also available.

Important:

All information, including illustrations, are correct at time of publishing. Users however should independently evaluate the suitability of each product for their particular application. KSM Limited makes no warranties as to the accuracy or completeness of the information and disclaims any liability regarding its use. Specifications are subject to change without notice. In addition KSM Limited reserves the right to make changes, without notification to the Buyer, to processing or materials that do not affect compliance with any applicable specification. All values are given as a nominal representation. Copying of this information in whole or part must be authorised in writing by CCS Ltd and the information must only be used for the purposes authorised.