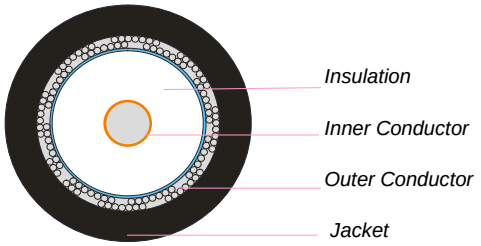
Connectors Cables Specialists (CCS) Ltd

LLA400LSZH

LLA-400-LSZH **Low Loss 50 OhmWireless RF Transmission Cable**

Cross Section



Cable Description

Inner Conductor	CCA
Conductor Dia.	2.74+/-0.02mm
Min.Break Strength	640 N
Insulation	Foam P.E.
Insulation Dia.	7.24 +/-0.15mm
Color	Neutral
Centricity	⩾ 85%
Adhesion	10 to 100N @ 25mm
Shielding	AL/P-Foil (Bonded)
Foil overlap	⩾ 115 %
Outer Conductor	TC Wire Braid
Coverage	92 +/-3%
Overall Braid	8.13 +/-0.05mm
Jacket	LSZH
Outer Dia	10.29 +/-0.15mm
Color	According to customer

Marking
According to customer
PACKAGING
According to customer

Electrical Charateristics

Characteristic Impedance		50+/- 2 ohm
Capacitance		78 pF/m
Velocity ratio		85 %
DCR: Inner Conductor		< 4.6 ohm/km
DCR: Outer Conductor		< 6.0 ohm/km
Jacket Sparker		8000 V RMS
Dielectric Strength		2500 V DC
Insulation resistance		> 10,000 MΩ·km
Peak Power		16 KW
Shielding Effectiveness		>90 dB
SWR	30-2500 MHz	< 1.25

Attenuation (at 20 ℃)	dB/100m
30 MHz	2.20
50 MHz	2.90
150 MHz	5.00
220 MHz	6.10
450 MHz	8.90
900 MHz	12.80
1500 MHz	16.80
1800 MHz	18.60
2000 MHz	19.60
2500 MHz	22.20
5800 MHz	35.50

Maximum attenuation is 10% higher.

Mechanical Characteristics

Min.Bending Radius:	
Installation	25 mm
Repeated	102 mm
Max.Pulling Tension	740
Crush resistance of cable ***(load of 700N)***	< 1 %
Rated Temperature	
Storage/operating temperature	-20~+90 ℃
Outdoor Installation	-5 ℃

RoHS3.0 Guideline

Cadmium content (Cd)	< 0.01%	（100ppm）
Lead content (Pb)	<0.1%	（1000ppm）
Mercury content (Hg)	<0.1%	（1000ppm）
Chromium (VI) content	<0.1%	（1000ppm）
Polybrominated Biphenyls (PBI	<0.1%	（1000ppm）
Polybrominated Diphenyl Ether	<0.1%	（1000ppm）
Diethyl hexyl phthalate (DEHP)	<0.1%	（1000ppm）
Butyl phenyl phthalate (BBP)	<0.1%	（1000ppm）
Dibutyl phthalate (DBP)	<0.1%	（1000ppm）
Diisobutyl phthalate (DIBP)	<0.1%	（1000ppm）

Revision History

Defined by: Production	Rev：A/0
Prepared by: Technical	Date：2014-03-06
Approved by：P Elwood	Page：1 of 1

Note: The specifications are subjected to change without prior notice