

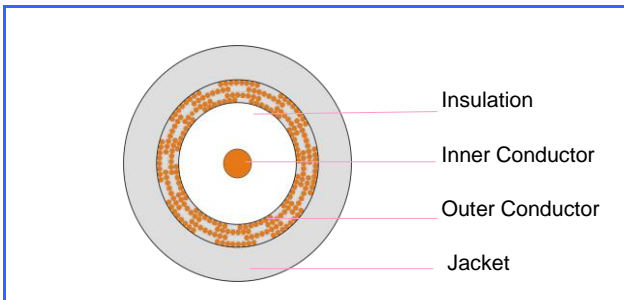
Connectors Cables Specialists



RG-223 LSZH 50 Ohm Transmission and Computer Cable

MIL-C-17G

Cross Section



Cable Description

Inner Conductor	19 AWG SC
Conductor Dia.	0.90 +/-0.02mm
Min.Break Strength	293 N
Insulation	Solid P.E.
Insulation Dia.	2.95 +/-0.15mm
Color	Neutral
Centricity	≥ 85%
Adhesion	10 to 100N @ 25mm
Outer Conductor 1	SC Wire Braid
Coverage	95 +/-3%
Outer Conductor 2	SC Wire Braid
Coverage	95 +/-3%
Jacket	LSZH
Outer Dia	5.38 +/-0.15mm
Color	According to customer
Marking	According to customer
PACKAGING	According to customer

Mechanical Characteristics

Min.Bending Radius:	
Installation	15 mm
Repeated	58 mm
Max.Pulling Tension	150 N
Crush resistance of cable (load of 700N)	< 1 %
Rated Temperature	
Storage/operating temperature	-30 to +85 Deg C
Outdoor Installation	-5°C

Revision History

Define by: Bob	Rev: A/2
Prepared by: Jen	Date: 2013-07-30
Approved by: D.L. Lin	Page: 1 of 1

Electrical Characteristics

Characteristic Impedance	50 ±2ohm
Capacitance	101 pF/m
Velocity ratio	66 %
DCR: Inner Conductor	< 28 ohm/km
DCR: Outer Conductor	< 8.5 ohm/km
Jacket Sparker	2500 V RMS
Dielectric Strength	1000 V DC
Insulation resistance	> 10,000 MΩ·km
Return loss	10-1000 MHz > -21 dB
Attenuation (at 20 °C)	
10 MHz	4.20 dB/100m
50 MHz	10.50
200 MHz	21.50
400 MHz	31.50
600 MHz	39.50
800 MHz	45.60
1000 MHz	52.50

Maximum attenuation is 10% higher.



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RoHS2 Guideline

Cadmium content (Cd)	< 0.01 %
Lead content (Pb)	<0.1 %
Mercury content (Hg)	<0.1 %
Chromium (VI) content	<0.1 %
Polybrominated Biphenyls (PBB)	<0.1 %
Polybrominated Diphenyl Ether (PBDE)	<0.1 %

Note: The specifications are subjected to change without prior notice