

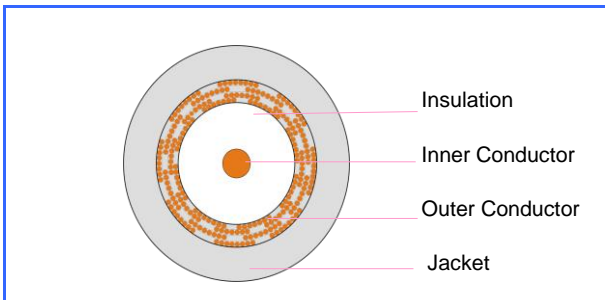
# Connectors Cables Specialists



## RG-223 PVC 50 Ohm Transmission and Computer Cable

### MIL-C-17G

#### Cross Section



#### Electrical Characteristics

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



01279 639 251  
 sales@ccsukltd.co.uk  
 www.ccsukltd.co.uk

#### Cable Description

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

#### Mechanical Characteristics

<b>Min.Bending Radius:</b>	
Installation	15 mm
Repeated	58 mm
<b>Max.Pulling Tension</b>	150 N
<b>Crush resistance of cable (load of 700N)</b>	< 1 %
<b>Rated Temperature</b>	
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

#### RoHS2 Guideline

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

**Note: The specifications are subjected to change without prior notice**