

# CONNECTORS CABLES SPECIALISTS (CCS) LTD

## RG213U COAXIAL CABLE

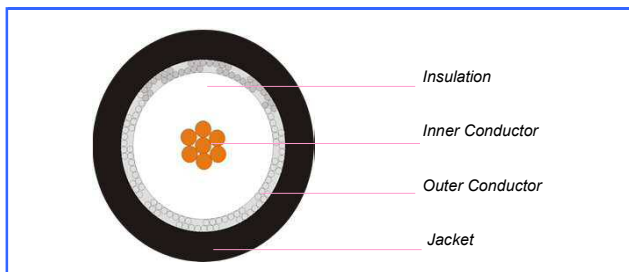


RG-213/U

50 Ohm coaxial cable

Part No.: 6389

### Cross Section



### Cable Description

<b>Inner Conductor</b>	Stranded BC
Conductor Dia.	<b>7x0.752</b> +/-0.01mm
Min.Break Strength	1430 N
<b>Insulation</b>	Solid P.E.
Insulation Dia.	<b>7.24</b> +/-0.10mm
Color	Neutral
Centricity (%)	≥ 90
Adhesion	20 to 100N @ 200mm
<b>Outer Conductor</b>	CCA Wire Braid
Conductor Dia.	<b>0.16</b> +/-0.01mm
Coverage	<b>95</b> +/-3%
<b>Jacket</b>	PVC-82A
Outer Dia	<b>10.3</b> +/-0.20mm
Color	BLACK
Tensile strength	≥ 10.5 N/mm <sup>2</sup>
Elongation at break	≥ 150 %
Adhesion	30 to 50N @ 50mm
<b>Marking</b>	According to customer
<b>PACKAGING</b>	According to customer

### Mechanical Characteristics

<b>Min.Bending Radius:</b>	
Installation	36mm
Repeated	100mm
<b>Max.Pulling Tension</b>	746N
<b>Crush resistance of cable</b> (load of 700N)	< 1 %
<b>Rated Temperature</b>	
Storage/operating temperature	-40~+85 °C
Outdoor Installation	-5°C

### Revision History

Define by:	Rev: A/4
Prepared by:P Elwood	Date: 2017-8-13
Approved by: D.L. Chin	Repl: 2015-6-15

### Electrical Characteristics

<b>Characteristic Impedance</b>	50 ±2ohm
<b>Capacitance</b>	100 pF/m
<b>Velocity ratio</b>	66 %
<b>DCR: Inner Conductor</b>	<6.0 ohm/km
<b>DCR: Outer Conductor</b>	<18 ohm/km
<b>Jacket Sparker</b>	5000 VCA
<b>Dielectric Strength</b>	2500 VCA
<b>Insulation resistance</b>	> 20,000 MΩ·km
<b>SRL</b>	5-1000MHz > 20 dB
<b>Attenuation (at 20 °C)</b>	
10 MHz	2.30 dB/100m
50 MHz	5.30 dB/100m
100 MHz	7.50 dB/100m
200 MHz	10.00 dB/100m
400 MHz	16.00 dB/100m
700 MHz	21.50 dB/100m
900 MHz	25.00 dB/100m
1000 MHz	26.50 dB/100m

Maximum attenuation is 10% higher.

### 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 %

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