

# SR141-50

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Semi-rigid Cable, 50 Ohm

## Product Classification

<b>Product Type</b>	Braided coaxial cable
<b>Product Series</b>	SR141-50

## General Specifications

<b>Braid Coverage</b>	100 %
<b>Cable Type</b>	Conformable

## Dimensions

<b>Diameter Over Dielectric</b>	2.98 mm   0.117 in
<b>Inner Conductor OD</b>	0.92 mm   0.036 in
<b>Outer Conductor OD</b>	3.58 mm   0.141 in
<b>Nominal Size</b>	0.141 in

## Electrical Specifications

<b>Cable Impedance</b>	50 ohm
<b>Capacitance</b>	98.1 pF/m   29.901 pF/ft
<b>dc Test Voltage</b>	1900 V
<b>Maximum Frequency</b>	18 GHz
<b>Operating Frequency Band</b>	30 – 18000 MHz
<b>Shielding Effectiveness</b>	100 dB
<b>Velocity</b>	69 %

## Attenuation

Frequency (MHz)	Attenuation (dB/100 ft)
450.0	7.2
900.0	10.6
1500.0	14
1800.0	15.6
2000.0	16.5
2500.0	18.8

# SR141-50

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<b>3000.0</b>	23
<b>5000.0</b>	31
<b>6000.0</b>	33
<b>7000.0</b>	37
<b>8000.0</b>	40

## Material Specifications

<b>Braid Material</b>	Tinned copper
<b>Dielectric Material</b>	PTFE
<b>Inner Conductor Material</b>	Silver-plated copper-clad steel wire

## Mechanical Specifications

<b>Minimum Bend Radius, single Bend</b>	12.954 mm   0.51 in
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## Environmental Specifications

<b>Operating Temperature</b>	-40 °C to +125 °C (-40 °F to +257 °F)
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## Packaging and Weights

<b>Cable weight</b>	0.05 kg/m   0.034 lb/ft
<b>Packaging Type</b>	Reel

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

