

SR141-50

Semi-rigid Cable, 50 Ohm

Product Classification

Product Type	Braided coaxial cable
Product Series	SR141-50

General Specifications

Braid Coverage	100 %
Cable Type	Conformable

Dimensions

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

Electrical Specifications

Cable Impedance	50 ohm
Capacitance	98.1 pF/m 29.901 pF/ft
dc Test Voltage	1900 V
Maximum Frequency	18 GHz
Operating Frequency Band	30 – 18000 MHz
Shielding Effectiveness	100 dB
Velocity	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
3000.0	23

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5000.0	31
6000.0	33
7000.0	37
8000.0	40

Material Specifications

Braid Material	Tinned copper
Dielectric Material	PTFE
Inner Conductor Material	Silver-plated copper-clad steel wire

Mechanical Specifications

Minimum Bend Radius, single Bend	12.954 mm 0.51 in
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Environmental Specifications

Operating Temperature	-40 °C to +125 °C (-40 °F to +257 °F)
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Packaging and Weights

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

Regulatory Compliance/Certifications

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

