

CF141-50

Base Product

CF141-50, 50 Ohm Conformable Braided Coaxial Cable, variable length, unjacketed

Product Classification

Product Type	Braided coaxial cable
Product Series	CF141-50

General Specifications

Braid Coverage	100 %
Cable Type	Conformable

Dimensions

Reel Flange	300 mm 11.811 in
Reel Hub	130 mm 5.118 in
Reel Traverse	130 mm 5.118 in
Diameter Over Dielectric	3.03 mm 0.119 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	92 pF/m 28.042 pF/ft
dc Test Voltage	1900 V
Maximum Frequency	33 GHz
Operating Frequency Band	30 – 18000 MHz
Peak Power	3.2 kW
Shielding Effectiveness	100 dB
Velocity	70 %

Material Specifications

Braid Material	Tin-soaked copper
Dielectric Material	PTFE

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Jacket Material	Unjacketed
Inner Conductor Material	Silver-plated copper-clad steel wire
Shield Tape Material	Copper

Mechanical Specifications

Minimum Bend Radius, single Bend	7.874 mm 0.31 in
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Environmental Specifications

Installation temperature	-55 °C to +125 °C (-67 °F to +257 °F)
Operating Temperature	-55 °C to +125 °C (-67 °F to +257 °F)
Storage Temperature	-55 °C to +125 °C (-67 °F to +257 °F)

Packaging and Weights

Packaging Type	Reel
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Regulatory Compliance/Certifications

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