

CF141T-50



CF141-50, 50 Ohm Conformable Braided Coaxial Cable, variable length, blue FEP jacket.

Product Classification

Product Series	CF141-50
Product Type	Braided coaxial cable

Construction Materials

Jacket Color	Blue
Jacket Material	FEP
Braid Material	Tin-soaked copper
Shield Tape Material	Copper
Dielectric Material	PTFE
Inner Conductor Material	Silver-plated copper-clad steel wire

Dimensions

Diameter Over Dielectric	3.030 mm 0.119 in
Inner Conductor OD	0.9200 mm 0.0360 in
Nominal Size	0.141 in
Outer Conductor OD	3.580 mm 0.141 in
Reel Flange	300.0 mm 11.8 in
Reel Hub	130.0 mm 5.1 in
Reel Traverse	130.0 mm 5.1 in

Electrical Specifications

Cable Impedance	50 ohm
Capacitance	92.0 pF/m 29.0 pF/ft
dc Test Voltage	1900 V
Maximum Frequency	33.00 GHz
Operating Frequency Band	30 – 18000 MHz
Peak Power	3.2 kW
Shielding Effectiveness	100 dB
Velocity	70%

Environmental Specifications

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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)

General Specifications

Cable Type	Conformable
Braid Coverage	100% braid
Packaging Type	Reel

Mechanical Specifications

Minimum Bend Radius, Single Bend 8.00 mm | 0.31 in

Electrical Performance

Frequency	Attenuation (dB/100 m)
100 MHz	13.00
200 MHz	19.00
300 MHz	23.00
400 MHz	28.00
500 MHz	31.00
600 MHz	36.00
700 MHz	38.00
800 MHz	42.00
900 MHz	44.00
1000 MHz	45.00
1500 MHz	60.00
1800 MHz	63.00
1900 MHz	64.00
2000 MHz	65.00
2100 MHz	72.00
2400 MHz	75.00
3000 MHz	79.00
4000 MHz	106.00
5000 MHz	120.00
5800 MHz	132.00
6000 MHz	135.00
8000 MHz	160.00
9000 MHz	171.00
10000 MHz	182.00

** Values typical, guaranteed within 5%*

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
China RoHS SJ/T 11364-2014	Below Maximum Concentration Value (MCV)

