

CF141T-50-MF



CF141T-50-MF, 50 Ohm Conformable Braided Coaxial Cable, Flexible with jacket

Product Classification

Product Series	CF141-50
Product Type	Braided coaxial cable

Construction Materials

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

Dimensions

Cable Weight	45.00 kg/km
Diameter Over Dielectric	2.980 mm 0.117 in
Diameter Over Jacket	4.010 mm 0.158 in
Inner Conductor OD	0.9200 mm 0.0360 in
Outer Conductor OD	3.450 mm 0.136 in

Electrical Specifications

Cable Impedance	50 ohm
Capacitance	95.1 pF/m 29.0 pF/ft
dc Test Voltage	1900 V
Maximum Frequency	34.00 GHz
Operating Frequency Band	30 – 18000 MHz
Peak Power	9.0 kW
Shielding Effectiveness	100 dB
Velocity	70%

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)

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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 15.00 mm | 0.04 in

Electrical Performance

Frequency	Attenuation (dB/100 m)
10 MHz	3.60
50 MHz	8.10
100 MHz	11.60
150 MHz	14.30
200 MHz	16.70
300 MHz	20.60
400 MHz	24.10
450 MHz	25.60
500 MHz	27.10
600 MHz	29.90
800 MHz	35.00
850 MHz	36.10
900 MHz	37.30
1000 MHz	39.50
1200 MHz	43.70
1400 MHz	47.60
1500 MHz	49.50
1600 MHz	51.30
1800 MHz	54.80
1900 MHz	56.50
2000 MHz	58.20
3000 MHz	73.50
5000 MHz	99.40

** Values typical, guaranteed within 5%*

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant
China RoHS SJ/T 11364-2006	Below Maximum Concentration Value (MCV)
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

