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
Jacket Material: Unjacketed
CF141-50

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

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

Regulatory Compliance/Certifications


Classification: Designed, manufactured and/or distributed under this quality management system