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Cable Specification

C07-R142M01F/BN – RG142B/U Mil Spec 50ohm Coaxial FEP
Cable generally to MIL-C-17 for use with wireless, broadcast, and radio frequency transmission applications.



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Construction

Conductor

Material: Silver Plated Copper Clad Steel
Construction: 1/0.94mm

Dielectric

Material: Solid Polytetrafluoroethylene
Diameter: 2.95mm

1st Braid Screen

Material: Silver Plated Copper
Coverage: 95%

2nd Braid Screen

Material: Silver Plated Copper
Coverage: 95%

Sheath

Material: Fluorinated Ethylene Propylene
Diameter: 4.95mm

Mechanical Characteristics

Operating Temperature (°C): -55 to +200

Electrical Characteristics at 20°C

Characteristic Impedance (Ω):	50±2
Capacitance (pF/m):	96.5
Velocity Ratio (%):	70
Voltage (V):	1400
Attenuation (dB/100m):	
100MHz	12.5
200MHz	17.7
400MHz	25.9
700MHz	35.1
1000MHz	43.0
2000MHz	63.3
3000MHz	79.4
5000MHz	107.0
8000MHz	141.7

Compliance

RoHS II Directive (2011/65/EU & 2015/863)
REACH (1907/2006)

Part Options

C07-R142M01F/BN | RG142B/U Mil Spec Brown FEP

Connectors, cable preparation tools and crimp tools are also available.

Important:

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