

Part Number: 150014F-BRN

Description: RG179 B/U Coaxial Cable PTFE/FEP  
Brown



#### Product Construction

Conductor Material	:	Silver Plated Copper Clad Steel
Conductor Stranding	:	Stranded, 7/0.10mm
Dielectric Material	:	Polytetrafluoroethylene (PTFE)
Dielectric Diameter	:	1.50mm $\pm$ 0.03
Screening 1	:	Silver Plated Copper Wire Braid
Screening 1 Coverage	:	$\geq$ 94%
Sheath Material	:	Fluorinated Ethylene Propylene (FEP)
Sheath Colour	:	Brown



#### Mechanical Characteristics

Overall Diameter	:	2.5mm $\pm$ 0.10mm
Temperature Range	:	-55°C to +200°C
Bend Radius	:	10 x Overall Diameter
Weight	:	19 kg/km

#### Electrical Characteristics

Inner Conductor DC Resistance	:	$\leq$ 339 $\Omega$ /km @ 20°C
Characteristic Impedance	:	75 $\Omega$ $\pm$ 2 $\Omega$
Nominal Capacitance	:	68 pF/m
Velocity of Propagation	:	69%
Max. Operating Voltage	:	900V

#### Attenuation @20°C

Frequency (MHz)	Attenuation (per 100m)
100	$\leq$ 26.8 dB
400	$\leq$ 52.3 dB
900	$\leq$ 83.6 dB
1000	$\leq$ 88.5 dB

#### Return Loss @ 20°C

Frequency (MHz)	Return Loss
20MHz - 100MHz	$\geq$ 30 dB
100MHz - 400MHz	$\geq$ 23 dB
400MHz - 1000MHz	$\geq$ 21 dB
1000MHz - 3000MHz	$\geq$ 17 dB

#### Certifications & Standards

RoHS 3 Compliant	:	Yes
REACH Compliant	:	Yes
UKCA CPR Classification	:	Fca to BS EN 50575:2014+A1:2016

Publication Date: 13/07/2023

Revision Number: 2.0

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