

DATASHEET

SKU: 0560742

Benelec 100m RG142B/U 50 Ohm Spool



CONSTRUCTION

	Material	OD
Centre Conductor	Silver-Plated Copper Clad Steel	0.94 ± 0.01 mm
Insulation (Dielectric)	Solid PTFE	2.95 ± 0.10 mm
Outer Conductor (Shield)	Silver-Plated Copper Braiding (Dual)	3.85 ± 0.10 mm
Jacket (Sheath)	FEP	4.95 ± 0.15 mm

MECHANICAL CHARACTERISTICS

Net Cable Weight	6.2 kgs
Cable Weight (incl. spool)	6.46 kgs
Minimum Bending Radius	25 mm
Operation Temperature	-55~ + 200 °C

ATTENUATION

Frequency (MHz)	Nom, Attenuation (@ 20°C, dB / m)
100	0.13
400	0.26
1000	0.42
3000	0.78
5000	1.05

* Maximum attenuation value shall be 105% of the nominal attenuation value

ELECTRICAL CHARACTERISTICS

Capacitance	96.1 PF / m
Impedance	50 ± 2 Ω
Propagation Velocity	69.5 %
Operating Voltage	1.4 kVRMS
Dielectric Withstanding Voltage	5.0 kVRMS
Corona Extinction Voltage	1.9 kVRMS
Max. Operating Frequency	12.4 GHz

CABLE MARKINGS

0560742 Benelec 50Ω RG142C/U to Mil-C-17-D Batch No XXXXX Mtrs XXXXX

Batch no. is the purchase order number for this shipment. Marking on the cable is every meter and the meter count increases by one very time the marking is printed.

PACKAGING

Inventory Code	Jacket Colour	Spool Size	Spool Dimensions
0560742	Black	100 m	270 mm x 270 mm x 130 mm

STANDARDS

2011 / 65 / EU & Annex II (EU) 2015 / 863 Compliant

Website: benelec.au