

## DATASHEET

SKU: 056071

### Benelec 100m RG214 50 Ohm TPC Coaxial Cable Spool



## CONSTRUCTION

	Material	Diameter
Centre Conductor	Silver-Coated Copper Wire Braid	7× $\Phi$ 0.75 mm
Insulation (Dielectric)	Solid Polyethylene	$\Phi$ 7.24 ± 0.20 mm
Shield 1	Tinned Copper Wire Braid	
Shield 2	Tinned Copper Wire Braid	
Jacket (Sheath)	Non-Contaminating PVC	$\Phi$ 10.80 ± 0.30 mm

## MECHANICAL CHARACTERISTICS

Net Cable Weight	19.5 kg/100m
Cable Weight (incl. spool)	21 kg/100m
Minimum Bending Radius	150 mm
Maximum Pulling Tension	100 kg
Operating Temperature	-40 °C to +80 °C

## ATTENUATION AND AVERAGE POWER

Frequency (MHz)	dB / 100 M @ 20 deg	Max Power (Watts) @ 40 deg
30	3	1300
100	6	712
400	13	356
1000	21	225
2500	35	142

## ELECTRICAL CHARACTERISTICS

Capacitance	< 101 pF/M
Impedance	50 $\Omega$ Nom. (48 – 50)
Propagation Velocity	66 %
Conductor DCR	5.57 $\Omega$ /km
Shield DCR	2.29 $\Omega$ /km
Nom Inductance	0.077 $\mu$ H/ft (0.253 $\mu$ H/m)
Peak Power	1300 W
Nominal Delay	5.05 ns/m
Max Operating Voltage	3700 V RMS

## CABLE MARKINGS

**056071 Benelec 50 $\Omega$  RG214/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 Type	Spool Dimensions	Weight
056071	Black	100 m	Wooden	300 x 300 x 300 mm	20.6 kgs

**1 x 100 m Spool Packaging Dimensions: 300 x 300 x 320 mm, Weight: 20.75 Kg**

Website: [benelec.au](http://benelec.au)