

DATASHEET

SKU: 05607

Benelec 100m RG214 50Ohm SPC Spool



CONSTRUCTION

	Material	Diameter
Centre Conductor	Silver-Coated Copper Wire Braid	7× Φ 0.75 mm
Insulation (Dielectric)	Solid Polyethylene	Φ 7.24 ± 0.20 mm
Shield 1	Silver-Coated Copper Wire Braid	
Shield 2	Silver-Coated Copper Wire Braid	
Jacket (Sheath)	Non-Contaminating PVC	Φ 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 Ω Nom. (48 – 50)
Propagation Velocity	66 %
Conductor DCR	5.57 Ω /km
Shield DCR	2.29 Ω /km
Nom Inductance	0.077 μ H/ft (0.253 μ H/m)
Peak Power	1300 W
Nominal Delay	5.05 ns/m
Max Operating Voltage	3700 V RMS

CABLE MARKINGS

05607 Benelec 50 Ω 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
05607	Black	100 m	Wooden	300 x 300 x 300 mm	20.6 kgs

Website: benelec.au