

DATASHEET

SKU: 056081

Benelec 100m RG223 – Double shielded TPC, PVC Spool



CONSTRUCTION

	Material	Coverage	OD
Centre Conductor	Silver-Coated Copper Wire	N/A	0.90 ± 0.02mm
Insulation (Dielectric)	Solid PE	N/A	2.95 ± 0.20 mm
Shield 1	Tinned Copper Wire Braid	≥ 90 %	N/A
Shield 2	Tinned Copper Wire Braid	≥ 90 %	N/A
Jacket (Sheath)	Non-contaminating PVC	N/A	5.38 ± 0.20 mm

MECHANICAL CHARACTERISTICS

Cable Weight (incl. spool)	5.92 kgs
Cable Length	305 m
Min Bending Radius	54 mm

ELECTRICAL CHARACTERISTICS

Capacitance	101 pF/M
Impedance	50 ± 2 Ω
Propagation Velocity	66 %
Max Operating Voltage	1.90 kV
Max Operating Frequency	11.00 GHz

CABLE MARKINGS

056081 Benelec 50Ω RG223/U TPC 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.

ATTENUATION AND AVERAGE POWER

Frequency (MHz)	Typical Attenuation @20°C, dB/100m	Typical Attenuation @20°C, dB/100ft
10	3.94	1.20
50	9.19	2.80
100	13.12	4.00
400	26.90	8.20
1000	42.64	13.00
1500	55.76	17.00
2000	65.60	20.00
2500	72.16	22.00
3000	82.00	25.00

*Attenuation values may be with a tolerance of 5%

PACKAGING

Inventory Code	Jacket Colour	Spool Size	Spool Dimensions
056081	Black	305 mm	200 mm x 200 mm x 240 mm

STANDARDS

2011 / 65 / EU Compliant

Website: benelec.au