

DATASHEET

SKU: 05605

Benelec 100m RG213/U 50 Ohm

Coaxial Cable Spool



CONSTRUCTION

	Material	Construction	OD
Centre Conductor	Twisted Annealed Copper Wire	7/0.752 mm	2.26 mm
Insulation (Dielectric)	Polyethylene	Solid	7.25 mm
Shield	Annealed Bare Copper Wire Braid	8/24/0.18 mm	8.15 mm
Jacket (Sheath)	Non-Contaminating PVC	Extruded	10.3 mm
Flexibility	Plasticiser	65p	N/A

MECHANICAL CHARACTERISTICS

Cable Weight (incl. spool)	18 Kgs / 100 M
Max Recommended Pulling Tension	83 Kgs
Minimum Bending Radius	127 mm
Operating Temperature	-40 °C to + 80 °C

ATTENUATION AND AVERAGE POWER

Frequency (MHz)	dB / 100 M	Max Power (Watts)
30	2.2	2100
100	4.7	975
200	7.1	685
400	10.9	450
500	18.1	405
800	21.5	380
1000	24.8	230

ELECTRICAL CHARACTERISTICS

Capacitance	90 pF/M
Impedance	50 Ω Nom.
Propagation Velocity	66 %
Conductor DCR	5.58 Ohms/km
Shield DCR	3.93 Ohms/km
Nominal Inductance	0.255 uH/m
Peak Power	16 kW
Nominal Delay	4.69 ns/mtr
Max Operating Voltage	3700 V RMS

CABLE MARKINGS

05605 Benelec 50Ω RG213/U to Mil-C-17-D Batch No #####
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.

ENVIRONMENTAL

RoHS3 & REACH Regulation	All materials used in manufacturing this part comply with RoHS3 European Directive 2015/863/EU and REACH Regulation regarding 240 Substance of Very High Concern (SVHC).
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PACKAGING

Inventory Code	Jacket Colour	Spool Size	Spool Type	Carton	Pallet
05605	Black	100 mtrs	BSP002	N/A	48 spools

Website: benelec.au