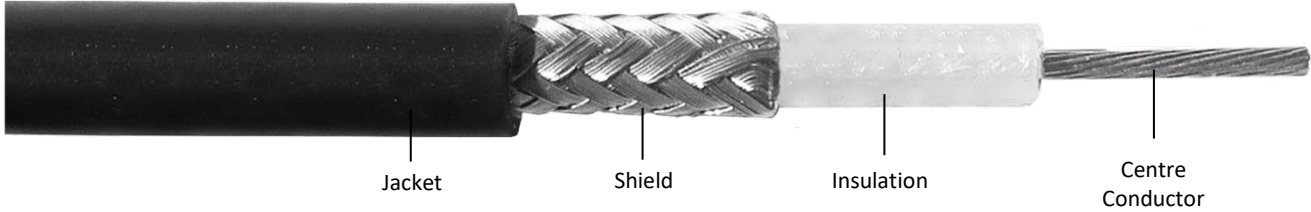


DATASHEET

Benelec 100m RG58C/U 50Ohm Spool

SKU: 05602ABK



CONSTRUCTION

	Material	Construction	OD	Tolerance	Pitch
Centre Conductor	Twisted Annealed Tinned Copper Wire	19/0.18 mm	0.84 mm	OD ± 0.05 Strands ± 0.01	2 ppi
Insulation (Dielectric)	Polyethylene	Solid	2.92 mm	± 0.05	N/A
Shield	Tinned Copper Wire Braid	7/16/0.127 mm	3.49 mm	OD ± 0.05 Strands ± 0.01	12 ppi
Jacket (Sheath)	Non-Contaminating UV Stable PVC	Extruded	4.95 mm	OD ± 0.05	N/A

MECHANICAL CHARACTERISTICS

Net Cable Weight	3.6 kgs / 100 m
Cable Weight (incl. spool)	3.9 kgs / 100 m
Min Bending Radius	25 mm
Max Pull Strength	19 kgs
Operating Temperature	- 40°C to + 80°C

ATTENUATION AND AVERAGE POWER

Frequency (MHz)	dB / 100 M	Max Power (Watts)
30	7.79	560
100	14.83	290
200	21.55	190
400	31.79	105
500	34.78	89
800	46.3	72
1000	52.92	60

ELECTRICAL CHARACTERISTICS

Capacitance	98.4 pF/M
Impedance	50 Ω Nom
Propagation Velocity	66 %
Conductor DCR	35.4 Ω /km
Shield DCR	13.45 Ω /km
Nom Inductance	0.194 μ H/m (0.059 μ H/ft)
Peak Power	400 W @ 150 MHz
Nominal Delay	5.05 ns/m
Max Operating Voltage	1400 v RMS

CABLE MARKINGS

For Black Cable:

05602ABK Benelec 50 Ω RG58C/U to Mil-C-17-D Batch No XXXXX Mtrs XXXXX

For White Cable:

05602AWT Benelec 50 Ω RG58C/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	Qty/Carton	Carton	Pallet
05602ABK	Black	100 m	BSP001	6	BCB13	24 Cartons
05602ABK5	Black	500 m	BSP002	N/A	N/A	48 Spools
05602AWT5	White	500 m	BSP002	N/A	N/A	48 Spools

Website: benelec.au