

DATASHEET

SKU: 05603

Benelec 100m RG58LL Low Loss 50Ohm Spool



Construction

	Material	Construction	OD	Tolerance	Pitch
Centre conductor	Multistrand Tinned Copper Wire	19/0.2mm	0.94	OD ± 0.05 Strands ± 0.01	N/A
Insulation: (Dielectric)	FPE- Foam Polyethylene	Polyethylene Foam	2.90	± 0.05	N/A
Shield 1	Polyester Aluminium Foil	Tape-Aluminium Foil	3.03	± 0.05	N/A
Shield 2	Tinned Copper Wire Braid	7/16/0.127mm	3.49mm	OD ± 0.05 Strands ± 0.01	14 ppi
Jacket (Sheath)	Non-Contaminating PVC	Extruded	4.9mm	OD ± 0.05	
Flexibility	Plasticiser	65p			

Mechanical Characteristics

Net Cable Weight	3.4 Kgs/100M
Cable Weight (incl spool)	3.57 Kgs/100M
Max recommended pulling tension	19 Kgs
Minimum Bend Radius	13 mm
Operating Temperature	-40°C to +80°C

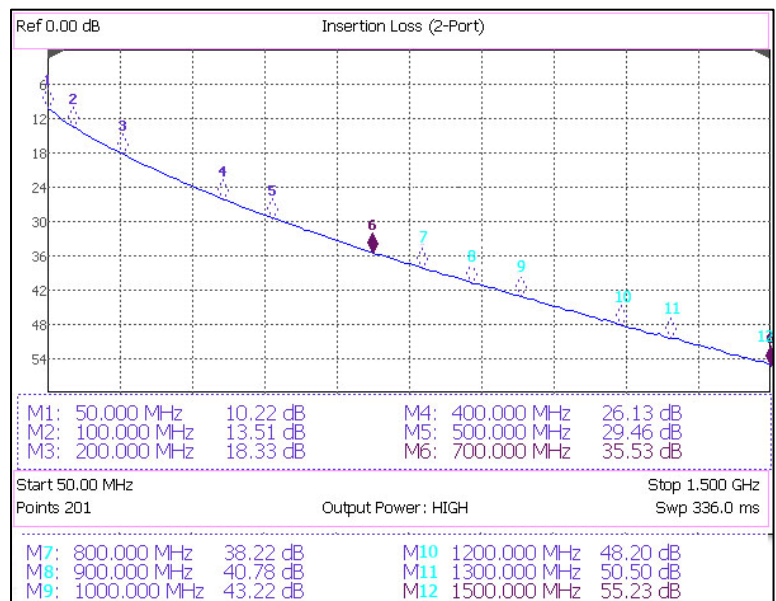
Electrical Characteristics

Capacitance	85.30.4pF/M
Impedance	52 Ω Nom.
Velocity of Propagation	75%
Conductor DCR	2.68 Ohms/km
Shield DCR	5.18 Ohms/km
Nom Inductance	0.065 uH/ft (0.194 uH/m)
Peak Power	
Nominal Delay	4.46 ns/mtr
Maximum Operating Voltage	300 V RMS

Attenuation

Frequency (MHZ)	dB/100M	Max Power Watts
50	10.2	425
100	13.5	290
200	18.3	190
400	26.1	105
700	35.5	89
900	40.8	72
1000	43.2	60

Insertion Loss



Packaging

Pack Size	Pack Type	Box Dimensions	Shipping Box
100m	Cardboard Reel	380 x 210 x 400mm	6 reels/box G.W 26kg

Website: benelec.au