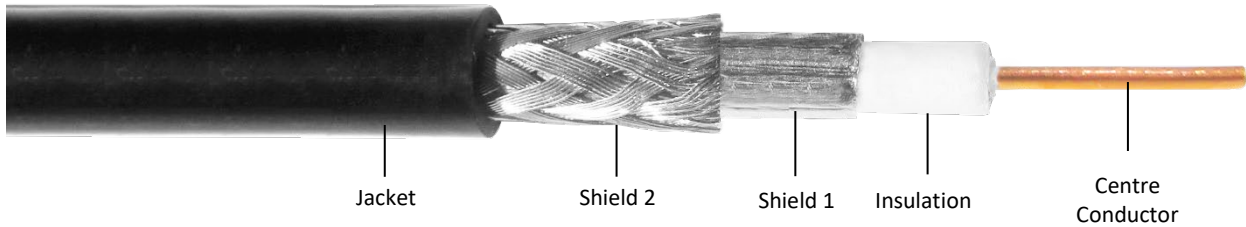


DATASHEET

SKU: 056031

Benelec 100m LL195 Low Loss 50Ohm Coaxial Cable Spool



CONSTRUCTION

	Material	Construction	OD	Tolerance	Pitch
Centre Conductor	Single Core Annealed Bare Copper Wire	Single Strand	0.94 mm	OD ± 0.05 Strands ± 0.01	N/A
Insulation (Dielectric)	FPE- Foam Polyethylene	Gas Injected Foam	2.79 mm	± 0.05	N/A
Shield 1	Polyester Aluminium Foil	Unbonded Foil 0.12 mm	3.03 mm	± 0.05	N/A
Shield 2	Tinned Copper Wire Braid	7/16/0.127 mm	3.49 mm	OD ± 0.05 Strands ± 0.01	14 ppi
Jacket (Sheath)	Non-Contaminating PVC	Extruded	4.95 mm	OD ± 0.05	N/A

MECHANICAL CHARACTERISTICS

Net Cable Weight	3.6 kgs / 100 m
Cable Weight (incl. spool)	3.78 kgs / 100 m
Min Bending Radius	20 mm
Max Pull Strength	19 kgs
Operating Temperature	- 40°C to + 80°C

ELECTRICAL CHARACTERISTICS

Capacitance	98.4 pF/M
Impedance	50 Ω Nom
Propagation Velocity	66 %
Conductor DCR	3.29 Ω /km
Shield DCR	1.25 Ω /km
Nom Inductance	0.194 uH/m (0.059 uH/ft)
Peak Power	16 kW
Nominal Delay	5.05 ns/m

ATTENUATION AND AVERAGE POWER

Frequency (MHz)	dB / 100 M	Max Power (Watts)
30	8.4	600
100	11.8	400
200	16.8	300
400	24.0	215
500	32.0	160
800	36.5	140
1000	38.5	133

CABLE MARKINGS

056031 Benelec 50 Ω LL195 type 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	Shipping Pack
056031	Black	100 m	Cardboard	200 mm x 205 mm x 110 mm	6/carton 380 mm x 420 mm x 220 mm Carton G.W.17 kg

Website: benelec.au