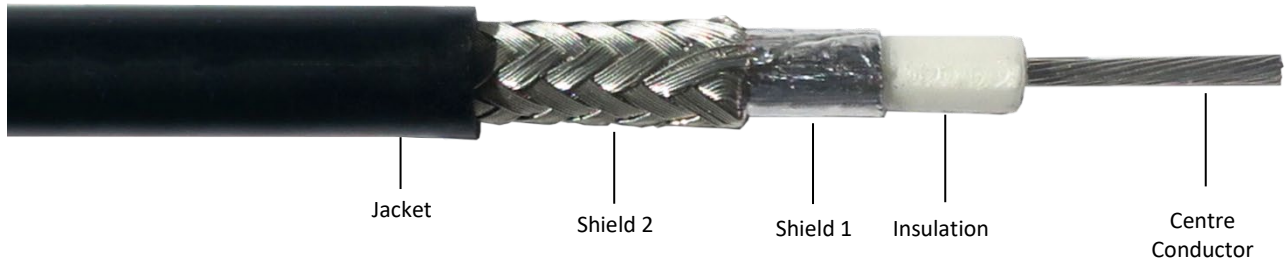


DATASHEET

SKU: 05603

Benelec 100m RG58LL Low Loss 50Ohm Spool



CONSTRUCTION

| | Material | Coverage | OD |
|-------------------------|--------------------------------|----------|----------------|
| Centre Conductor | Multistrand Tinned Copper Wire | N/A | 0.94 ± 0.05 mm |
| Insulation (Dielectric) | FPE- Foam Polyethylene | N/A | 2.90 ± 0.05 mm |
| Shield 1 | Polyester Aluminium Foil | N/A | 3.03 ± 0.05 mm |
| Shield 2 | Tinned Copper Wire Braid | N/A | 3.49 ± 0.05 mm |
| Jacket (Sheath) | Non-Contaminating PVC | N/A | 4.9 ± 0.05 mm |

MECHANICAL CHARACTERISTICS

| | |
|----------------------------|--------------|
| Cable Weight (incl. spool) | 3.4 Kgs/100M |
| Cable Length | 100m |
| Min Bending Radius | 13 mm |

ELECTRICAL CHARACTERISTICS

| | |
|-----------------------|--------------|
| Capacitance | 85.30.4 pF/M |
| Impedance | 52 Ω Nom. |
| Propagation Velocity | 75% |
| Max Operating Voltage | 300 V RMS |

ATTENUATION AND AVERAGE POWER

| 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 |

*Attenuation values may be with a tolerance of 5%

PACKAGING

| Inventory Code | Jacket Colour | Spool Size | Spool Dimensions |
|----------------|---------------|------------|--------------------------|
| 05603 | Black | 100 mm | 380 mm x 220 mm x 400 mm |

Website: benelec.au