

DATASHEET

SKU: 056085

Benelec 305m RG400/U 50 Ohm Spool

SPECIFICATIONS

Characteristic impedance	50 ± 2 Ohms
Capacitance (nominal value)	94 pF/m
Velocity of propagation	70% (of the speed of light)
Corona extinction voltage (50 Hz)	1.5 kV RMS
Dielectric strength of core (50 Hz)	3.8 kV RMS
Insulation resistance (500 V DC)	5000 Mohm x km
Max AC voltage for continuous use	1.8 kV PEAK
Max voltage for unidirectional pulse operation	3.6 kV PEAK
Nominal attenuation	See diagram
Maximum power rating in air	See diagram
Minimum bending radius	
- fixed mounting	25 mm
- multiple bending	50 mm
- mobile use	100 mm
Temperature range	-55°c to +200°c
Weight nom.	64 kg/km



CONSTRUCTION

Inner conductor	Stranded silver-plated annealed copper wire 19 x 0.20 mm	∅ 0.98 ± 0.03 mm
Dielectric	Solid PTFE extruded	∅ 2.95 ± 0.13 mm
Outer conductor	Double braids of silver-plated copper wires Diameter of braiding wire 0.13 mm	∅ 4.35 mm max.
Jacket	FEP, translucent	∅ 4.95 ± 0.13 mm

Variant M17 /128-RG 400 - can be manufactured upon request

Construction difference	None
Performance difference	Specified limits for SAL-values Attenuation values nom. at 20°c Power rating max. at 20°c, SWR 1.0 and sea level

Website: benelec.au