

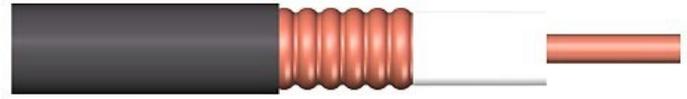
## DATASHEET

SKU: 05706

### Benelec 200m Corrugated Feeder 1 1/4" Coaxial Cable Spool

#### CONSTRUCTION

<b>Inner Conductor</b>	Material	Smooth copper tube
	Diameter, mm	13.00mm
<b>Insulation</b>	Material	Physically foamed PE
	Diameter, mm	32.80mm
<b>Outer conductor</b>	Material	Ring corrugated copper
	Diameter, mm	35.80mm
<b>Jacket</b>	Material	Flame retardant PE
	Diameter, mm	38.80mm



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1: Inner Conductor 2: Insulation

3: Outer conductor 4: Jacket\

Figure 8: 05706 1 1/4" Feeder cable

#### MECHANICAL PROPERTIES

<b>Bending radius, mm</b>	Single	200
	Repeated	380
<b>Pulling strength, N</b>		3600
<b>Recommended temp, °C</b>	Store	-50~+80
	Installation	-40~+60
	Operation	-50~+85

#### ELECTRICAL PROPERTIES

<b>Impedance, Ω</b>	50±2
<b>Inductance, μH/m</b>	0.19
<b>Capacitance, pF/m</b>	75
<b>Propagation velocity, %</b>	87
<b>DC breakdown voltage, kV</b>	8.0
<b>Insulation resistance, MΩ•km</b>	>5×10 <sup>3</sup>
<b>Peak power, kW</b>	205
<b>Screening attenuation, dB</b>	>>120
<b>Cut-off frequency, GHz</b>	3.3

#### ATTENUATION AND AVERAGE POWER

Frequency MHz	Nom. attenuation @20°C,dB/100m	Power rate @20°C,kW
100	0.84	11.7
450	1.87	5.23
690	2.38	4.34
800	2.59	3.79
900	2.77	3.53
1000	2.94	3.33
1800	4.16	2.36
2000	4.43	2.21
2400	4.95	1.99
2500	5.07	1.94
2600	5.20	1.91
2700	5.32	1.87
3000	5.68	1.71

• Maximum attenuation value shall be 105% of the nominal attenuation value

#### VSWR

800~2400MHz	≤1.12
2500~2700MHz	≤1.15

#### PACKAGING

1 x 200 m Spool Packaging Dimensions: 1200 x 1200 x 900 mm,  
Weight: 196 Kg

RoHS

#### Note:

• This cable is RoHS compliant. As a statement of RoHS compliant, you can find the label on our product package.

Website: benelec.au