

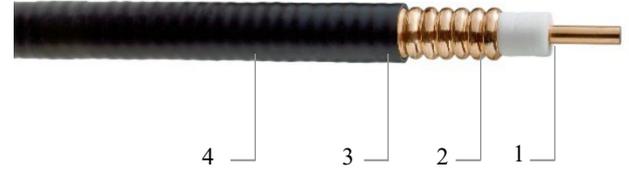
DATASHEET

SKU: 05705

Benelec 500m Corrugated Feeder 7/8" Coaxial Cable Spool

CONSTRUCTION

Inner Conductor	Material	Smooth copper tube
	Diameter, mm	8.85±0.10
Insulation	Material	Physically foamed PE
	Diameter, mm	22.50±0.40
Outer conductor	Material	Ring corrugated copper
	Diameter, mm	24.90±0.30
Jacket	Material	PE or fire-retardant PE
	Diameter, mm	27.30±0.20



1: Inner Conductor 2: Insulation
3: Outer conductor 4: Jacket

Figure 8: 05705 7/8" Feeder cable

MECHANICAL PROPERTIES

Bending radius, mm	Single	120
	Repeated	250
	Moving	500
Pulling strength, N		1470
Crush resistance, kg/mm		1.4
Recommended temperature, °C	Store	-70~+85
	Installation	-40~+60
	Operation	-55~+85

ELECTRICAL PROPERTIES

Impedance, Ω	50±1
Inductance, μH/m	0.187
Capacitance, PF/m	75
Propagation velocity, %	88
DC breakdown voltage, kV	6.0
Insulation resistance, MΩ•km	>5×10 ³
Peak power, kW	91
Screening attenuation, dB	>>120
Cut-off frequency, GHz	5.0

ATTENUATION AND AVERAGE POWER

Frequency MHz	Nom. attenuation @20°C, dB/100m	Power rate @20°C, kW
10	0.366	24.6
100	1.19	7.56
450	2.65	3.41
800	3.63	2.48
900	3.88	2.33
1000	4.12	2.19
1500	5.18	1.74
1800	5.75	1.57
2000	6.11	1.48
2500	6.95	1.30
3000	7.76	1.16

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

VSRW

806~960MHz	≤1.13
1700~2200MHz	≤1.13
5~3000MHz	≤1.25

PACKAGING

1 x 500 m Spool Packaging Dimensions: 1200 x 1200 x 800 mm, Weight: 303 Kg

Note:

- For fire retardant jacket, recommended temperatures are:
 - Store temperature: -30~+80°C
 - Installation temperature: -25~+60°C
 - Operation temperature: -30~+80°C
- This cable is RoHS compliant. As a statement of RoHS compliant, you can find the label below on our product package.

Website: benelec.au