

1-1/4" Feeder Cable

Product Features

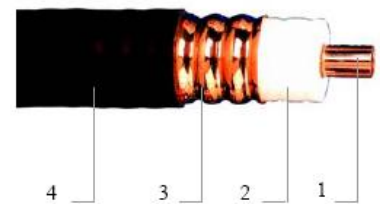
This 1-1/4" Feeder cable is used for base station which includes wireless mobile communication, cellular, microwave and broadcast applications.

Technical Specifications

Model No	500 009 05
Construction Specifications	
Inner conductor	Smooth copper tube
Dielectric	Physical Foam Polyethylene
Outer Conductor	Ring Corrugated Copper
Jacket	PE or fire retardant PE
Physical Dimensions	
Inner conductor diameter	13.10 +/- 0.15mm
Dielectric diameter	32.80 +/- 0.40mm
Outer Conductor diameter	35.80 +/- 0.30 mm
Jacket Diameter	38.80 +/- 0.30 mm
Electrical Specifications	
Capacitance	75 pF/m
Impedance	50 +/- 1
Velocity Percent	89
DC break down voltage	9.0 kV
Peak Power	205 kW
Insulation Resistance	> 5 x 10 ⁹ MΩ / Km
Cut - off frequency	3.3GHz
Screening attenuation	> 120 dB
Mechanical & Environmental Specifications	
Minimum bending radius	
Single Bend mm	200mm
Repeated Bend	380mm
Pulling strength N	5900
Crush resistance	2.2 kg/mm
Tensile strength	102 Kg (225 lb)
Storage temperature	-70 to +85 °C
Installation temperature	-40 to +60°C
Operating temperature	-55 to +85°C

Product Photo

1. Inner conductor
2. Insulation
3. Outer conductor
4. Jacket



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Attenuation & Average Power		
Frequency MHz	Nom Attenuation at at 20°C dB/100m	Average Power at 20°C KW
10	0.253	38.60
100	0.832	11.70
200	1.20	8.12
450	1.87	5.22
800	2.59	3.78
900	2.77	3.53
1000	2.94	3.32
1500	3.73	2.62
1800	4.16	2.35
2000	4.43	2.21
2500	5.08	1.92
3000	5.68	1.72
VSWR		
800 - 1000 MHz	≤ 1.15	
1700 - 2200 MHz	≤ 1.15	
5 - 3000 MHz	≤ 1.25	

Note: For fire retardant jackets the recommended temperatures are

Storage temperature ° C : -30 to +80
 Installation temperature ° C : -25 to +60
 Operating temperature ° C : -30 to +80