

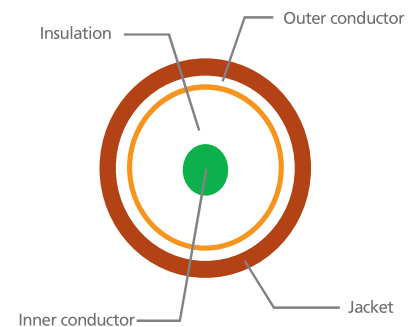
1/2" FLEXIBLE RF COAXIAL CABLE

Application

- OEM jumpers
- GPS lines
- Main feed transitions to equipment

Features

- Low Attenuation
- Complete Shielding
- Outstanding Intermodulation Performance
- RoHS compliance
- Low VSWR
- High Power Rating
- Wide Range of Application



Physical Specifications

Inner Conductor	
Material	CCA
Diameter(mm)	4.80 ± 0.05
Outer Conductor	
Material	Annular Corrugated Copper Tube
Diameter(mm)	13.8 ± 0.20
Insulation	
Material	Foam Polyethylene
Diameter (mm)	12.3 ± 0.20
Outer Jacket	
Material	LLDPE
Min. Thickness(mm)	>0.9
Diameter(mm)	15.7 ± 0.20

Mechanical Characteristics

Bending Radius(mm)	Single Bend ~ 50 Repeated Bend ~ 125
Tensile Strength(N)	1050
Cable Weight(kg/km)	195
Recommended Temp. (°C)	Storage -70~+85 Installation -40~+60 Operating -55~+85

Ordering information

Part No.	Description
RRF-0127002-27H	Low-Loss Foam Dielectric Flexible PE Feeder Cable, Black, 500m
RRF-0127004-27H	Low-Loss Foam Dielectric Flexible FR/PE Feeder Cable, Black, 500m

Electrical Characteristics

Inner conductor DC Resistance (Ω /km)	1.72
OuterConductor DC Resistance (Ω /km)	3.29
Characteristic impedance (Ω)	50 ± 2
Capacitance (pF/m)	77
Velocity (%)	86
Dielectric strength (KV)	6.0
Insulation resistance (M Ω /km)	>1x10 ⁴
Peak Power Rating (KV)	40
Peak Voltage (V)	1800
Cut-off Frequency (GHZ)	10.0

Attenuation and Average Power

Frequency (MHz)	Attn (@20°C dB/100m)	Ave. power (kv)
200	3.12	2.44
450	4.77	1.59
800	6.53	1.17
900	6.98	1.10
1000	7.39	1.04
1500	9.19	0.84
1800	10.20	0.75
2000	10.79	0.71
2200	11.35	0.68
2500	12.27	0.62
3000	13.55	0.56

VSWR

Frequency (MHz)	VSWR ±3
800MHz~1000MHz	1.07
1700MHz~2500MHz	1.15