

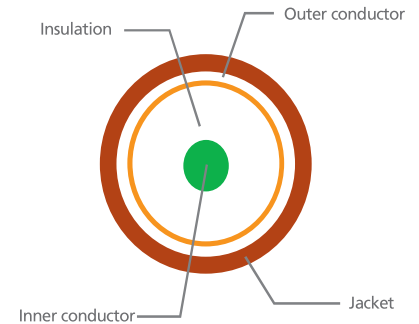
7/8" FLEXIBLE RF COAXIAL CABLE

Application

- Main feed line

Features

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



Physical Specifications

Inner Conductor	
Material	Copper Tube
Diameter(mm)	9.0 ± 0.10
Outer Conductor	
Material	Annular Corrugated Copper Tube
Diameter(mm)	24.9 ± 0.25
Insulation	
Material	Foam Polyethylene
Diameter (mm)	22.7 ± 0.20
Outer Jacket	
Material	LLDPE / Flame-Retardant PE
Min. Thickness(mm)	>1.1
Diameter(mm)	27.5 ± 0.25

Mechanical Characteristics

Bending Radius(mm)	Single Bend ~ 120 Repeated Bend ~ 250
Tensile Strength(N)	1400
Cable Weight(kg/km)	450
Recommended Temp. (°C)	Storage -70~+85 Installation -40~+60 Operating -55~+85

Ordering information

Part No.	Description
RRF-0787002-27H	Low-Loss Foam Dielectric Flexible PE Feeder Cable, Black, 500m
RRF-0787004-27H	Low-Loss Foam Dielectric Flexible FR/PE Feeder Cable, Black, 500m

Electrical Characteristics

Inner conductor DC Resistance (Ω/km)	2.21
OuterConductor DC Resistance (Ω/km)	1.68
Characteristic impedance (Ω)	50 ± 1.5
Capacitance (pF/m)	77
Velocity (%)	87
Dielectric strength (KV)	10.0
Insulation resistance (MΩ/km)	>1x10 ⁴
Peak Power Rating (KV)	90
Peak Voltage (V)	3200
Cut-off Frequency (GHZ)	5.2

Attenuation and Average Power

Frequency (MHz)	Attn (@20°C dB/100m)	Ave. power (kv)
200	1.72	5.26
450	2.65	3.41
800	3.63	2.48
900	3.88	2.34
1000	4.12	2.19
1500	5.18	1.74
1800	5.75	1.57
2000	6.11	1.48
2200	6.46	1.40
2500	6.95	1.30
3000	7.76	1.16

VSWR

Frequency (MHz)	VSWR ±3
800MHz~1000MHz	≤1.12
1700MHz~2500MHz	≤1.15
2500MHz~3000MHz	≤1.18