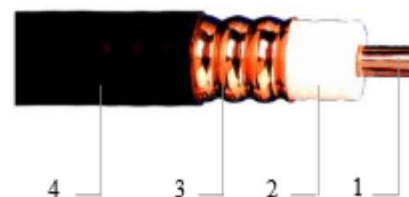


## Feeder Cable (RF5078 Z)

## FR-FC3000-78-6C-OZ



**7/8" low loss physical foamed insulation coaxial cable  
RF 50 7/8"**

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

Description		TYPE No.	PART No.
Standard cable		RF5078	3110801
Fire retardant cable		RF5078 Z	3110802
Construction			
Inner Conductor	Material	Smooth copper tube	
	Diameter, mm	8.90±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	

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	
Inner conductor DC resistance, $\Omega$ /km	1.50
Outer conductor DC resistance, $\Omega$ /km	1.35
Impedance, $\Omega$	$50 \pm 1$
Inductance, $\mu$ H/m	0.187
Capacitance, PF/m	75
Propagation velocity, %	88
DC breakdown voltage, kV	6.0
Insulation resistance, $M\Omega \cdot km$	$>5 \times 10^3$
Peak power, kW	91
Screening attenuation, dB	$>>120$
Cut-off frequency, GHz	5.0

**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.



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
<ul style="list-style-type: none"> <li>Maximum attenuation value shall be 105% of the nominal attenuation value</li> </ul>		
VSWR		
806~960MHz	$\leq 1.15$	
1700~2200MHz	$\leq 1.15$	
5~3000MHz	$\leq 1.25$	