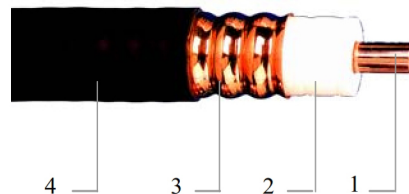


Product Specification		Hansen	
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**7/8" low loss physical foamed insulation coaxial cable
 RF 50 7/8"**



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

Figure 8:RF50 7/8" coaxial cable

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, Ω/km		1.50
Outer conductor DC resistance, Ω/km		1.35
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
<ul style="list-style-type: none"> Maximum attenuation value shall be 105% of the nominal attenuation value 		
VSWR		
806~960MHz	≤ 1.15	
1700~2200MHz	≤ 1.15	
5~3000MHz	≤ 1.25	

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.

