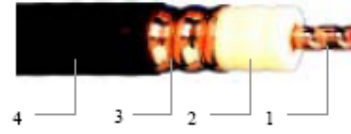


7/8" S Superflexible physical foamed insulation coaxial cable

50 ohms corrugated copper tube series coaxial cable

**RF 50 7/8" S**



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

Construction		
Inner Conductor	Material	Helically corrugated copper
	Dia. ,mm	9.42
Insulation	Material	Physically foamed PE
	Dia. ,mm	22.50
Outer conductor	Material	Ring corrugated copper
	Dia. ,mm	24.90
Jacket	Material	LLDPE or fire retardant PE
	Dia. ,mm	27.50
Weight, kg/km		430(standard)/490(retardant)
Mechanical properties		
Bending radius , mm	Single	40
	Repeated	125
	Moving	-
Pulling strength, N		1020
Crush resistance, kg/mm		1.4
Recommended temperature , °C	Store	-70°C~+85°C
	Installation	-40°C~+60°C
	Operation	-55°C~+85°C
Electrical properties		
DC Resistance Ω /km	In. cond.	2.70
	Out. Cond.	1.19
Impedance, Ω		50 ± 1
Capacitance, pF/m		74.2
Propagation velocity,%		83
DC breakdown voltage,KV		6.0
Insulation voltage,MΩ Km		>5 × 10 <sup>3</sup>
Peak power,kW		90
Screening attenuation, dB		>>120
Cut-off frequency, GHz		4.9

**Attenuation and average power**

Frequency MHZ	Nom.attenuation @20°C,dB/100m	Power rate @20°C ,KW
10	0.402	21.50
100	1.30	6.62
200	1.87	4.61
450	2.88	2.99
800	3.94	2.19
900	4.20	2.06
1000	4.46	1.94
1500	5.60	1.54
1800	6.21	1.39
2000	6.59	1.31
2300	7.15	1.21
3000	8.35	1.04

● Maximum attenuation value shall be 105% of the nominal attenuation value

**VSWR**

820~960MHz	<1.10
1700~1900MHz	<1.10
5~3000MHz	<1.15

**Note:**

- For fire retardant jacket, recommended temperatures are:  
 Store temperature            -30°C~+80°C  
 Installation temperature    -25°C~+60°C  
 Operation temperature       -30°C~+80°C