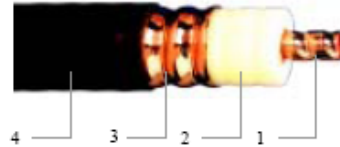


1-5/8" low loss physical foamed insulation coaxial cable
50 ohms corrugated copper tube series coaxial cable
RF 50 1-5/8"



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

Construction		
Inner Conductor	Material	Helically corrugated copper
	Dia.,mm	17.30
Insulation	Material	Physically foamed PE
	Dia.,mm	43.50
Outer conductor	Material	Ring corrugated copper
	Dia.,mm	46.50
Jacket	Material	LLDPE or fire retardant PE
	Dia.,mm	50.00
Weight, kg/km		1470(standard)/1615(retardant)
Mechanical properties:		
Bending radius (mm)	Single	300
	Repeated	510
	Moving	--
Pulling strength, N		3630
Crush resistance, kg/mm		2.1
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.	0.83
	Out. Cond.	0.52
Impedance, Ω		50 ± 1
Capacitance, pF/m		76
Propagation velocity,%		88
DC breakdown voltage,KV		11
Insulation voltage,MΩ Km		>5 × 10 ³
Peak power,kW		315
Screening attenuation, dB		>>120
Cut-off frequency, GHz		2.5

Attenuation and average power

Frequency MHZ	Nom.attenuation @20°C,dB/100m	Power rate @20°C ,KW
10	0.202	54.3
100	0.671	16.4
150	0.834	13.2
200	0.976	11.3
300	1.22	9.01
450	1.53	7.18
800	2.13	5.15
900	2.29	4.81
1000	2.43	4.52
1500	3.11	3.54
1800	3.47	3.17
2000	3.71	2.96
2500	4.27	2.58

- 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