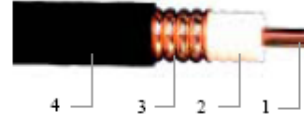


3/8" low loss physical foamed insulation coaxial cable
50 ohms corrugated copper tube series coaxial cable
RF 50 3/8"



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

Construction		
Inner Conductor	Material	Copper clad aluminum
	Dia.,mm	3.15
Insulation	Material	Physically foamed PE
	Dia.,mm	8.20
Outer conductor	Material	Ring corrugated copper
	Dia.,mm	9.53
Jacket	Material	LLDPE or fire retardant PE
	Dia.,mm	11.20
Weight, kg/km		135(standard)/148(retardant)
Mechanical properties		
Bending radius, mm	Single	50
	Repeated	95
	Moving	300
Pulling strength, N		800
Crush resistance, kg/mm		2.0
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.	3.48
	Out. Cond.	2.85
Impedance, Ω		50 ± 1
Capacitance, pF/m		75
Propagation velocity,%		88
DC breakdown voltage,KV		2.5
Insulation voltage,MΩ · Km		>5 × 10 ³
Peak power,kW		15.6
Screening attenuation, dB		>>120
Cut-off frequency, GHz		13.5

Attenuation and average power

Frequency MHZ	Nom.attenuation @20°C,dB/100m	Power rate @20°C ,KW
10	1.06	7.23
100	3.42	2.24
200	4.90	1.56
450	7.51	1.02
800	10.20	0.748
900	10.90	0.702
1000	11.60	0.663
1500	14.40	0.530
1800	16.00	0.479
2000	17.00	0.451
2500	19.30	0.400
3000	21.40	0.358

- 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