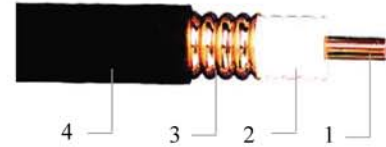


Low loss physical foamed insulation coaxial cable  
RF 50 1/4"

RoHS compliant

Description	Type No.	Part No.
Standard cable	RF5014	06.014.C00-004
Fire retardant cable	RF50Z14	06.014.C00-004/FR



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

Construction		
Inner conductor	Material	Bare Copper wire
	Dia., mm	2.40±0.025
Insulation	Material	Physically foamed PE
	Dia., mm	6.40±0.20
Outer conductor	Material	Annular corrugated copper
	Dia., mm	7.50±0.20
Jacket	Material	PE or fire retardant PE
	Dia., mm	10.0±0.2

Attenuation and average power		
Frequency ,MHz	Nom.attenuation @20°C ,dB/100m	Power rate @20°C ,kW
100	4.2	1.8
450	9.2	0.82
800	12.4	0.61
900	13.2	0.57
1000	14	0.54
1800	19.2	0.39
1900	19.8	0.38
2200	21.4	0.35
2500	23	0.33
2700	24	0.31
3000	26	0.29

● Maximum attenuation value will be 105% of the nominal attenuation value.

Mechanical properties		
Bending radius,mm	Single	30
	Repeated	76
	Moving	-
Pulling strength		910
Crush resistance, kg/mm		1.4
Recommended temperature, °C	Store	-70°C~+85°C
	Installation	-40°C~+60°C
	Operation	-55°C~+85°C

VSWR		
400-500 MHz		≤1.10
800-1000 MHz		≤1.10
1700-2700 MHz		≤1.10

Electrical properties	
Impedance, Ω	50±1
Capacitance, pF/m	80
Propagation velocity, %	82
Insulation test voltage, kV	2
Insulation resistance, MΩ • km	>10000
Peak power, kW	13
Screening attenuation, dB	>>120
Cut-off frequency, GHz	15.8
Max. Operating frequency, GHz	19
PIM3, dBc	≥160
Inductance, μ H/m	0.195

Note:

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

Meet the IEC requirements according to:

- IEC 60754-1/2 : smoke emission ; halogen free ; no corrosive
- IEC 60332-1 : flame retardant
- IEC 61034 low smoke