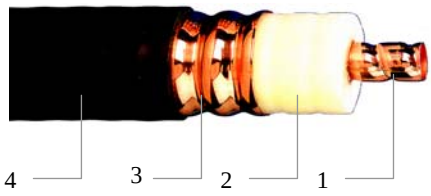
1-5/8″ low loss physical foamed insulation coaxial cable
RF 50 1-5/8″

Description	**TYPE No.**	**PART NO.**
Standard cable	RF50158	3111201
Fire retardant cable	RF50158 Z	3111202

Construction		
Inner Conductor	Material	Helically corrugated copper
	Diameter, mm	17.30±0.10
Insulation	Material	Physically foamed PE
	Diameter, mm	43.50±0.60
Outer conductor	Material	Ring corrugated copper
	Diameter, mm	46.50±0.30
Jacket	Material	PE or fire retardant PE
	Diameter, mm	49.50±0.40

Mechanical properties		
Bending radius, mm	Single Repeated Moving	300 510 --
Pulling strength, N		3630
Crush resistance, kg/mm		2.1
Recommended temperature ,℃	Store Installation Operation	-70~+85 -40~+60 -55~+85

Electrical properties	
Impedance, Ω	50±1
Capacitance, PF/m	76
Propagation velocity, %	88
DC breakdown voltage, kV	11
Insulation resistance, MΩ•km	>5×10^3
Peak power, kW	315
Screening attenuation, dB	>>120
Cut-off frequency, GHz	2.5



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

Figure 10:RF50 1-5/8″ coaxial cable

Attenuation and average power		
Frequency MHz	Nom. attenuation @20℃,dB/100m	Power rate @20℃,kW
10	0.202	54.3
100	0.671	16.4
150	0.834	13.2
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	
800~1000MHz	≤1.15
1700~2200MHz	≤1.15
5~3000MHz	≤1.25

Note:

● For fire retardant jacket, recommended temperatures are:

Store temperature -30~+80℃
Installation temperature -25~+60℃
Operation temperature -30~+80℃

● This cable is RoHS compliant. As a statement of RoHS compliant, you can find the label below on our product package.

RoHS

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