



1-1/4" Radiating Leaky coaxial cable



Applications:

Foamed polyethylene dielectric radiating leaky coaxial cables solve wireless communication problems in confined areas, such as buildings, tunnels, and subways.

Electrical, Mechanical & Environmental Specifications

Impedance (Ω)	50 \pm 2
Capacitance (pF/m)	76
Velocity (%)	88
Insulation resistance (M Ω .km)	10000
Jacket spark test(kV)	10
Operating Frequency Band(MHz)	800~3700
Minimum Bending Radius (mm)	
Single Bending	400
Multiple Bending	500
Temperature range ($^{\circ}$ C)	Fire Retardant Jacket -25~+70
Stop Band(MHz)	1400~1500 2850-2950
VSWR:	
790MHz~960MHz	1.30
1700MHz~1900MHz	1.30
1920MHz~2025MHz	1.40
2110MHz~2170MHz	1.40
2300MHz~2400MHz	1.40
2515MHz~2675MHz	1.40
3300MHz~3700MHz	1.40

Frequency (MHz)	Attenuation dB/100m,20 $^{\circ}$ C	Coupling loss (95%, 2m)
800MHz	2.70	94
900MHz	3.10	90
1800MHz	4.50	81
1900MHz	4.80	79
2000 MHz	5.30	82
2200 MHz	5.60	79
2400 MHz	6.10	79
2600 MHz	6.70	75
2700 MHz	7.00	76
3300 MHz	8.90	75
3400 MHz	9.20	74
3500 MHz	10.30	76
3600 MHz	11.00	75
3700 MHz	11.60	74

Construction	
Inner conductor	Helical Copper-tube Diameter (mm) 13.15 \pm 0.15
Insulation	3 layers of Insulation Diameter (mm) 32.80 \pm 0.40
Outer conductor	Longitudinal wrapped copper outer conductor
Outer conductor (mm)	34.20 \pm 0.40
Thickness (mm)	1.70 \pm 0.20
Diameter (mm)	37.60 \pm 0.40

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SRFS reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal.
It may be necessary to make modifications to the part and/or the documentation of the part to implement improvements.
See www.srfsteleinfra.in for the most current information. Revised: 19 Jan 2023

