

1-5/8" 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.

Structure		
Inner Conductor	Helical Copper Tube	17.3mm
Insulation Layer	Physical Foamed PE	43.2mm
Outer Conductor	Copper foil	44.2mm
Sheath	LSZH	48.0mm
Electrical Specifications		
Characteristic	Nominal Value	50±2Ω
Transmission Rate	Nominal Value	88%
Capacity	Nominal Value	76pF/m
Insulation Resistance	DC 500V, 1Min, Minimum.	5000MΩ·km
Insulation Dielectric	Continue 1Min, DC	15000V
Sheath Spark Test	AC Valid Value	10000V
DC-resistance	Inner conductor Max.	1.50Ω/km
DC-resistance	Outer conductor	1.60Ω/km
Mechanical Specifications		
Single Bending Radius	Min.	500mm
Repeated Bending	Min.	500mm
Number of Bends	Min.	15 times

VSWR		
790~960MHz	Max.	1.3
1700~1900MHz	Max.	1.3
1920~2025MHz	Max.	1.4
2110~2200MHz	Max.	1.4
2300~2500MHz	Max.	1.4
2500~2700MHz	Max.	1.4
Frequency (MHz)	Attenuation (dB/100m, ±5%)	Coupling Loss (dB±5dB)
700	2.0	85
800	2.2	82
900	2.4	81
1800	3.7	72
1900	3.8	73
2000	4.0	71
2200	4.5	71
2400	4.9	70
2600	5.5	68
2700	6.1	70
Environmental Specifications		
Storage Temperature	-40~+80°C	
Install Temperature	-40~+80°C	
Working Temperature	-40~+80°C	