



1-5/8 leaky cable radiating type fire retardant jacket

High Performance Leaky Coaxial Cable used for Transmission Lines.
Competitively designed for simple installation in the toughest conditions.

Construction Materials

Inner Conductor	Helical Copper Tube
Dielectric	Physical Foam Polyethylene
Outer Conductor	Corrugated Copper Tube and Slot
Jacket	Black PE or Low Smoke free Fire Retardant

Physical Dimensions

Inner Conductor Diameter	17.40 mm
Dielectric Diameter	42.50 mm
Outer Conductor Diameter	46.50 mm
Diameter Over Jacket	49.50 mm

Mechanical Specifications

Minimum Bending Radius	
Single Bending	510 mm
Repeated Bending	900 mm
Tensile Strength	1700 N

Environmental Specifications

Storage Temperature	-55°C - +85°C
Installation Temperature	-40°C - +60°C
Operation Temperature	-55°C - +85°C

Electrical Specifications

Capacitance	76.0pF/m
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Impedance	50 + 1 \hat{a}_{m}
Velocity	88%
Insulation Resistance	5000 M \hat{a}_{m} .km
Jacket Spark	10 kV
Insulation Voltage	15 kV
Inner Conductor DC Resistance	0.85 \hat{a}_{m} /km
Outer Conductor DC Resistance	0.85 \hat{a}_{m} /km
VSWR	
0.3 - 0.5 GHz	< 1.15
0.8 - 1.0 GHz	< 1.15
1.7 - 2.0 GHz	< 1.20
2.0 - 2.4 GHz	< 1.20

Performance

Attenuation (dB/100m)	
75 MHz	0.60
150 MHz	0.80
450 MHz	1.90
800 MHz	2.60
900 MHz	2.70
1800 MHz	4.40
2200 MHz	5.10
2400 MHz	5.50

Coupling Loss (2m) (50%/95%) dB	
75 MHz	68 / 78
150 MHz	71 / 81
450 MHz	75 / 85
800 MHz	75 / 85
900 MHz	75 / 84
1800 MHz	77 / 86
2200 MHz	77 / 86
2400 MHz	77 / 86

Standard Conditions



CostWORX is the leading wholesale distributor of telecom & technology infrastructure products, supplying globally through a network of local alliance partners.

For Attenuation: VSWR 1.0, Cable Temperature 20 °C (68 °F)

Inner Conductor Temperature 100 °C (212 °F). No solar loading

Certification

CE Approved

UL Approved