

# FlexRad™ -600-PVC \*\*\*

## Leaky Feeder Coax

### 50 Ohm Leaky Coaxial Cable



- Provides RF coverage in buildings, mines and other enclosed areas.
- Offers broadband performance up to 2.5GHz.
- Flexible, Non-Kinking design provides easier installations.
- Optional Low-Smoke, Non-Halogen, constructions available.
- Accepts standard "EZ" crimp connectors used for LMR-600 cable\*

#### Cable/Connector Part Description

Part Number	Designation	Description	Stock Code
AA-9096	FlexRad-600	PVC Jacket	44030
EZ-600-NMH	N-Male Crimp Connector	Straight Plug	3190-271

#### Mechanical Specifications

Minimum Bend Radius	1.5 inches	38 mm
Weight	0.09 lbs/ft	0.137 kG/m

#### Construction Specifications

Part Designation	Material	Inches	mm
Inner Conductor	Solid Copper Covered Aluminum	0.176	4.47
Dielectric	Gas-Injected Foam Polyethylene	0.455	11.56
Inner Shield	Bonded Perforated Aluminum	0.458	11.63
Jacket	Extruded PVC	0.520	13.20

#### Environmental Specifications

	°F	°C
Operating Temperature Range	-40/+185	-40/+85

#### Electrical Specifications

Characteristic	English Units	Metric Units
Impedance	50 +/- 2 Ohms	50 +/- 2 Ohms
Attenuation @ 150 MHz	1.34 dB/100 feet	4.39 dB/100 meters
@ 450 MHz	2.22 dB/100 feet	7.28 dB/100 meters
@ 900 MHz	3.35 dB/100 feet	10.98 dB/100 meters
@ 1900 MHz	5.30 dB/100 feet	17.38 dB/100 meters
@ 2400 MHz	6.40 dB/100 feet	20.99 dB/100 meters
Coupling Loss** @ 150 MHz	54 dB	54 dB
@ 450 MHz	61 dB	61 dB
@ 900 MHz	68 dB	68 dB
@ 1900 MHz	69 dB	69 dB
@ 2400 MHz	67 dB	67 dB
Velocity of Propagation	87 %	87 %

\* Request FlexRad-600 Connector data sheet and attachment instructions

\*\* Coupling Loss measured at 6.5 feet (2 Meters)

\*\*\* Patent Applied For