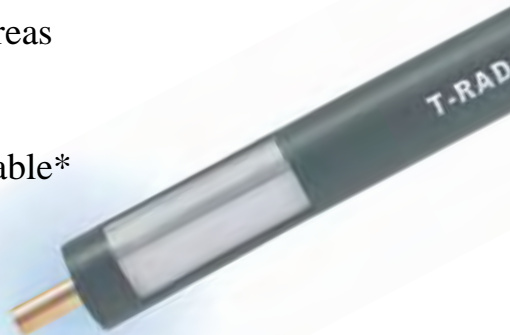


## T-RAD-900 50 Ohm Leaky Feeder Coaxial Cable

- Provides RF coverage in buildings, mines and other enclosed areas
- Offers broadband performance up to 2.5 GHz
- Flexible, non-kinking design provides easier installation
- Accepts standard "EZ" clamp connectors used for LMR-900 cable\*
- FR series is MSHA approved for mining applications



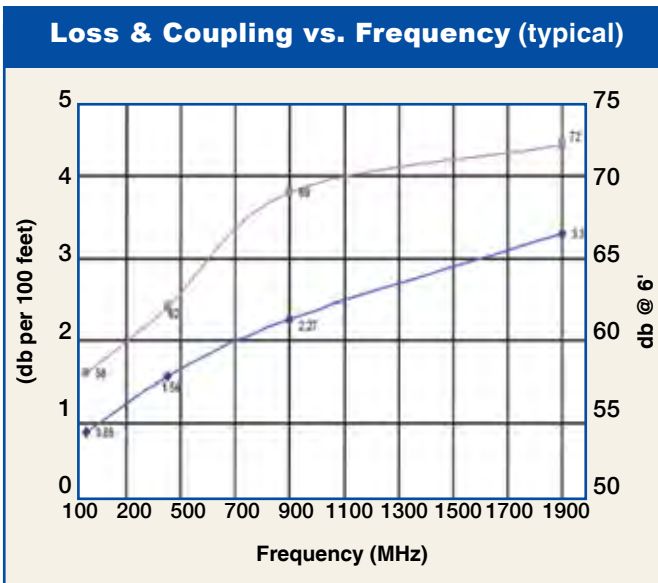
Part Description				Stock
Part No.	Application	Jacket	Color	Code
AA-9298	T-RAD-900-PVC	PVC	Black	44042
AA-9630	T-RAD-900-FR	FRPE	Black	44046

Construction Specifications			
Description	Material	In.	(mm)
Inner Conductor	BC Tube	0.262	(6.65)
Dielectric	Gas-Injected Foam Polyethylene	0.680	(17.27)
Inner Shield	Bonded Aluminum Tape	0.686	(17.42)
Jacket	see table above	0.870	(22.10)

Mechanical Specifications			
Performance Property	Units	US	(metric)
Bend Radius: installation	in. (mm)	3.00	(76.2)
Bend Radius: repeated	in. (mm)	9.0	(228.6)
Weight	lb/ft (kg/m)	0.266	(0.40)

Environmental Specifications		
Performance Property	°F	°C
Operating Temperature Range	-40/+185	-40/+85

Electrical Specifications			
Performance Property	Units	US	(metric)
Velocity of Propagation	%	87	
Dielectric Constant	NA	1.32	
Time Delay	nS/ft (nS/m)	1.17	(3.83)
Impedance	ohms	50	
Voltage Withstand	Volts DC	5000	
Jacket Spark	Volts RMS	8000	



Frequency (MHz)	150	450	900	1900
Attenuation dB/100 ft	0.88	1.56	2.27	3.3
Attenuation dB/100 m	2.89	5.12	7.44	10.8
Coupling Loss** dB	58	62	69	72

\* Request T-RAD-900 connector data sheet and attachment instructions  
 \*\* Coupling loss measured at 6.5 feet (2 meters) \*\*\* Patent applied for