

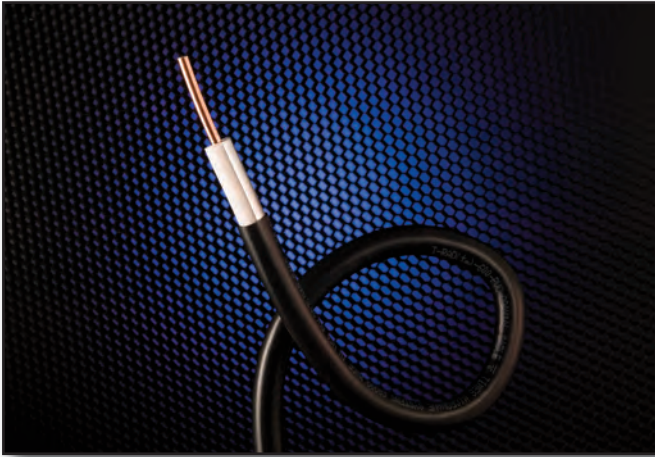
T-RAD™-900

50 Ohm Leaky Feeder Coaxial Cable

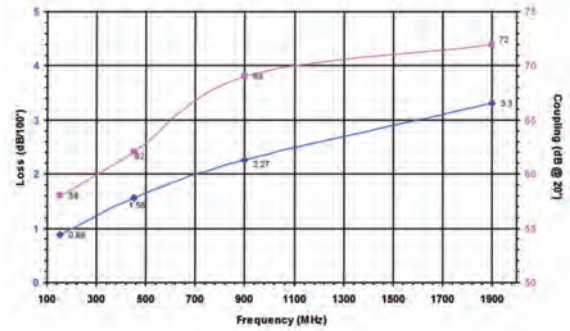
- Provides RF coverage in buildings, mines and other enclosed areas
- Offers broadband performance up to 2.5 GHz
- Flexible, non-kinking design provides easier installation
- Accepts standard "EZ" clamp style connectors used for LMR-900 cable
- FR series is MSHA approved for mining applications



Part Description				
Part Number	Application	Jacket	Color	Stock Code
AA-9298	T-RAD-900-PVC	PVC	Black	44042
AA-9630	T-RAD-900-FR	FRPE	Black	44046
Physical & Mechanical Specifications				
			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: Extruded PVC or FR			0.870	(22.10)
Bend Radius: Installation			3.00	(76.2)
Bend Radius: Repeated			9.0	(0.40)
Weight:			0.266 lbs./ft	(0.40 kg/m)
Operating Temperature Range			-40°/+185°F	-40°/+85°C
Electrical Specifications				
Velocity of Propagation		86%		
Dielectric Constant		1.32		
Time Delay		1.17 nS/ft (3.83 nS/m)		
Impedance		50 ohms		
Voltage Withstand		5000 Volts DC		
Jacket Spark		8000 Volts RMS		
Attenuation	(MHz)	dB/100 ft	dB/100 m	Coupling Loss*
	150	0.88	2.89	58
	450	1.56	5.12	62
	900	2.27	7.44	69
	1900	3.3	10.8	72



T-RAD™-900 Loss & Coupling vs Frequency



Connectors												
Interface	Description	Part Number	Stock Code	VSWR* Freq. (GHZ)	Coupling Nut	Inner Contact Attachment	Outer Contact Attachment	Finish* Body/Pin	Length in (mm)	Width in (mm)	Weight lb (g)	
7-16 DIN Female	Straight Jack	EZ-900-716FC-2	3190-1550	<1.25:1 (2.5)	NA	Press Fit	Clamp	S/S	2.0 (51)	1.38 (35.1)	0.379 (171.9)	
7-16 DIN Male	Straight Plug	EZ-900-716MC-2	3190-1641	1.25:1 (2.5)	Hex	Press Fit	Clamp	S/S	2.7 (69)	2.15 (55.0)	1.150 (521.6)	
7-16 DIN Male	Right Angle	EZ-900-716MC-RA	3190-614	<1.35:1 (2.5)	Hex	Press Fit	Clamp	S/S	2.7 (69)	2.15 (55.0)	1.150 (521.6)	
7/8 EIA	Straight Plug	EZ-900-78EIA-2	3190-1282	<1.25:1 (2.5)	NA	Press Fit	Clamp	S/S	3.0 (76)	2.24 (56.9)	1.013 (459.5)	
N Male	Straight Plug	EZ-900-NMC-2	3190-1262	<1.25:1 (6)	Hex	Press Fi	Clamp	S/S	2.0 (51)	1.38 (35.1)	0.463 (210.0)	
N Female	Straight Jack	EZ-900-NFC-2	3190-1263	<1.25:1 (6)	NA	Press Fit	Clamp	S/S	2.0 (51)	1.38 (35.1)	0.443 (200.9)	