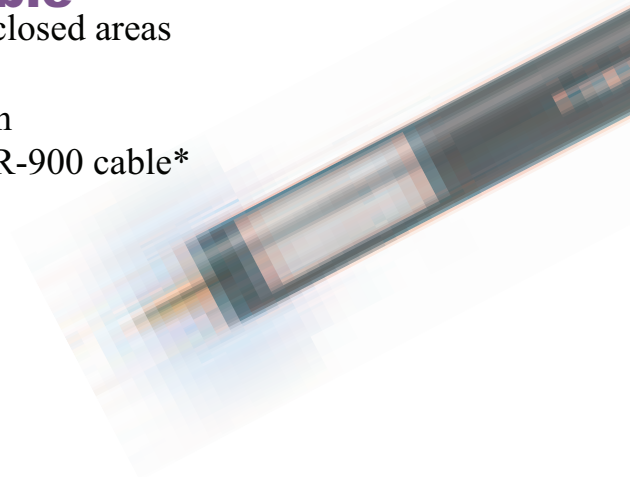


## T-RAD-900 50 Ohm Leaky Feeder Coaxial Cable

- 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\*



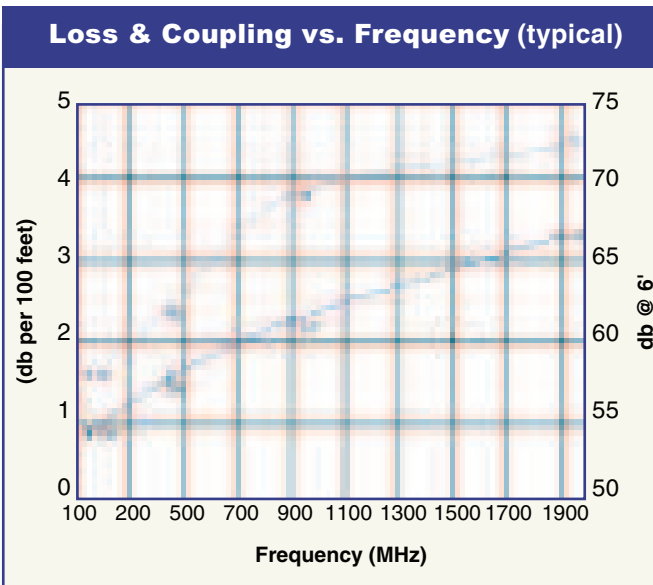
Part Description				Stock
Part No.	Application	Jacket	Color	Code
AA-9298	T-RAD-900-PVC	PVC	Black	44042
AA-9630	T-RAD-900-FR	FRPE	Black	44046

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
<b>Attenuation dB/100 ft</b>	0.88	1.56	2.27	3.3
<b>Attenuation dB/100 m</b>	2.89	5.12	7.44	10.8
<b>Coupling Loss** dB</b>	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



## Connectors

Interface	Description	Part Number	Stock Code	VSWR** Freq. (GHz)	Coupling Nut	Inner Contact Attach	Outer Contact Attach	Finish* Body /Pin	Length in (mm)	Width in (mm)	Weight lb (g)
7-16 DIN Female	Straight Jack	EZ-900-716FC	3190-334	<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	2.0 (51)	1.44 (36.6)	0.485 (220.0)
7-16 DIN Male	Right Angle	EZ-900-716-MC-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 Fit	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)

\* Finish metals: N=Nickel, S=Silver, G=Gold, SS=Stainless Steel, A=Alballoy \*\*VSWR spec based on 3 foot cable with a connector pair