

Eyecom manufactures RF coaxial cable , Leaky cable and associated RF connectors. All LSOH cable products are certified to IEC 60754-1, IEC 60332-1, and IEC 601034

Eyecom high performance RF coaxial cable, leaky cable and connector are designed and manufactured for harsh environment of tunnel and Metro environment.

Our RF coaxial and leaky cable come in various cable sizes such as 1/2", 7/8", 1-1/4" and 1-5/8", and has been deployed in many tunnel and in-building projects across the region.

Eyecom Leaky Cable

RF Properties			Mechanical Properties			
Frequency MHZ	Nom. Attenuation @20°C , dB/100m		Recommended temperature, °C			
	7/8 inch	1-5/8 inch			7/8 inch	1-5/8 inch
150	1.80	0.77	Store		-70 + 85	
450	3.00	1.43	Installation		-25 + 60	
800	4.30	2.40	Operation		-50 + 85	
900	4.80	2.50	Construction			
1800	10.76	4.20	Inner Conductor	Material	Smooth bare copper tube	Smooth bare copper tube
1900	11.70	4.54		Di., mm	8.9	17.3
2100	12.89	5.73	Insulation	Material	Physically foamed PE	Physically foamed PE
2200	13.56	5.87	Outer conductor	Material	Overlapping copper foil with slots	Overlapping copper foil with slots
2300	14.45	6.40	Jacket	Material	PE or HFFR PE	PE or HFFR PE
2400	15.30	6.50		Di., mm	27.3	48.0

Note:
Attenuation and coupling loss specifications are tested with the outdoor free space method per IEC 61196.4-2004. Because this cable is optimized for operating frequency bands using, so it is NOT fit for 660-680MHz frequency range. All jackets Comply to IEC 60754-1, IEC 60332-1, and IEC 61034.

Eyecom Leaky Cable Connector

	Main Materials of connectors				Main Electrical Characteristics of Connectors						
	Central Contact	Insulator	I.C. and O.C.	Gaskets	Contact Resistance of I.D.	Contact Resistance of O.D.	Insulation Resistance	Breakdown	Frequency Range	VSWR	
										0-1GHz	1-2GHz
N Type	CuBe2	PTFE	Brass	Silicon Rubber	≤2mΩ	≤1mΩ	≥5x10 ³ MΩ	2.5kv/ 50Hz	≤3GHz	≤1.08	≤1.10
7/16 DIN	CuBe2	PTFE	Brass	Silicon Rubber	≤0.4mΩ	≤0.2mΩ	≥1x10 ⁴ MΩ	2.5kv/ 50Hz	≤3GHz	≤1.08	≤1.10

