Eyecom RF Cable



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 Coaxial Cable

RF Properties				**Mechanical Properties**				
Frequency MHZ	Nom. Attenuation @20°C , dB/100m			Recommended temperature,°C				
	½ inch	7/8 inch	1-1/4 inch			½ inch	7/8 inch	1-1/4 inch
10	0.67	0.37	0.25	Store		-70 + 85		
100	2.17	1.19	0.83	Installation		-40 + 60		
200	3.10	1.72	1.20	Operation		-55 + 85		
450	4.75	2.65	1.87	**Construction**				
800	6.46	3.63	2.59	Inner Conductor	Material	Copper clad Al. Wire	Smooth copper tube	Smooth copper tube
900	6.87	3.88	2.76		Dia., mm	4.80±0.05	9.00±0.10	13.1±0.15
1000	7.28	4.12	2.94	Insulation	Material	Physically foamed PE	Physically foamed PE	Physically foamed PE
1500	9.09	5.18	3.73		Dia., mm	12.2±0.30	22.50±0.40	32.2±0.50
1800	10.10	5.75	4.16	Outer conductor	Material	Ring corrugated copper	Ring corrugated copper	Ring corrugated copper
2000	10.70	6.11	4.43		Dia., mm	13.8±0.20	24.90±0.30	35.8±0.30
2500	12.10	6.95	5.03	Jacket	Material	LLDPE or fire retardant PE	LLDPE or fire retardant PE	LLDPE or fire retardant PE
3000	13.40	7.76	5.68		Dia., mm	15.8±0.20	27.30±0.30	38.5±0.40

Note:
For fire retardant jacket, recommended temperatures are:
Store temperature -30°C~+80°C
Installation temperature -25°C~+60°C
Operation temperature -30°C~+80°C
All jackets Comply to IEC 60754-1, IEC 60332-1, and IEC 61034.

Eyecom Coaxial 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