

ETL RF feeder Cable

1/2"AL 7/8"AL 7/8"L AL Flex



Construction Specification (mm)		1/2"AL	7/8"AL	7/8"L AL
		HCAALY(Z)-50-12	HCTALY(Z)-50-22	HCTALY(Z)-50-23
① Inner Conductor	1/2"AL: Copper Clad Aluminum 7/8"AL, 7/8"L AL: Smooth Copper Tube	4.80±0.05	9.00±0.15	9.30±0.10
② Dielectric	Foam PE	12.30±0.30	22.50±0.25	22.80±0.30
③ Outer Conductor	Corrugated Aluminum Tube	13.90±0.20	24.90±0.20	25.20±0.20
④ Jacket	Black PE or LSZH	15.80±0.25	27.50±0.30	27.80±0.30

Electrical Characteristics & Mechanical and Environmental Characteristics				
Impedance(Ω)		50±1.5	50±1.5	50±1.5
Capacitance(pF/m)		76.00	76.00	75.00
Velocity(%)		88.00	88.00	88.00
Cut-off Frquency (GHz)		8.80	5.20	5.10
Peak Power Rating (KW)		40.00	91.00	80.00
Insulation Resistance (MΩ*km)		10000	10000	10000
VSWR Max	800—1000MHz	1.12	1.15	1.15
	1700—2200MHz	1.15	1.15	1.15
	2200—2700MHz	1.15	1.15	1.15
	2700—3000MHz	1.20	1.20	1.20
Single Bending Radius(mm)		80.00	135.00	150.00
Repeated Bending Radius(mm)		125.00	270.00	275.00
Installation Temperature (°C)	PE	-40~+60	-40~+60	-40~+60
	LSZH	-20~+60	-20~+60	-20~+60
Operating Temperature (°C)	PE	-55~+85	-55~+85	-55~+85
	LSZH	-30~+80	-30~+80	-30~+80

Attenuation@20°C			
Frequency, MHz	dB/100m	dB/100m	dB/100m
100	2.50	1.28	1.39
200	3.55	1.75	1.96
450	5.32	2.85	3.02
800	7.15	3.86	4.05
900	7.65	4.06	4.26
1000	8.10	4.28	4.51
1500	10.10	5.45	5.68
1800	11.15	5.96	6.32
2000	11.85	6.35	6.66
2200	12.50	6.69	7.13
2400	13.05	7.05	7.82
2500	13.40	7.35	7.91
2700	13.98	7.55	8.11
3000	14.83	8.09	8.39

