

## PRODUCT DESCRIPTION: Radio Frequency Coaxial Cable FLL400

- The high-performance of electric properties allow coaxial cable to be used as various base station jumper cables .
- Wide range of applications, such as indoor distribution, broadcast, various base stations, wireless cellular, and others.
- Lower VSWR, perfect shielding effectiveness, and extraordinary inter-modulation performance lead to fewer energy loss and outer interference.
- Excellent flexibility.

## CONSTRUCTION

Inner conductor	Copper clad aluminum wire	Φ2.76mm
Insulation	Physically foamed PE	Φ7.24mm
Outer conductor	1st: Aluminum tape 2nd: tinned copper wire Φ8.13mm	
Jacket	Polyethylene	Φ10.25mm

## MECHANICAL PROPERTIES

Min. single bending radius	mm	25
Min. repeated bending radius	mm	100
Bending moment	N.m	0.70
Tensile strength	N	720
Flat plate crush	kg/mm	0.70

## ELECTRICAL PROPERTIES

Impedance	Ω	50±2
Propagation velocity	%	85
Capacitance	pF/m	78
Dielectric strength, RMS	kV	3.0
Insulation resistance	MΩ·km	>5000
Screening attenuation	dB	>90@30~1000MHz
Jacket spark	kV	5.0

# SPEC SHEET



## PRODUCT SPECIFICATION

*Radio Frequency Coaxial Cable FLL400*

### ATTENUATION & POWER

Frequency MHz	Max. Attenuation @20°C, dB/100m(dB/100ft)
30	2.64(0.81)
50	3.25(0.99)
150	5.57(1.70)
220	6.86(2.10)
300	7.98(2.43)
450	9.84(3.00)
700	12.79(3.90)
750	13.38(4.08)
800	13.93(4.25)
900	14.76(4.50)
1500	19.02(5.80)
1800	20.00(6.10)
2000	21.32(6.50)
2500	25.26(7.70)
3000	25.96(7.91)
4500	32.78(9.99)
6000	38.82(11.83)

Nominal. Attenuation values may be with a tolerance of +5%.

### STRUCTURE RETURN LOSS

DC~1000MHz	≥23
1000~2500MHz	≥21
2500~3500MHz	≥18
3500~6000MHz	≥15

### RECOMMENDED TEMPERATURE

Storage,°C	-40~+85
Installation,°C	-25~+60
Operation,°C	-40~+85
ROHS °C	Compliant