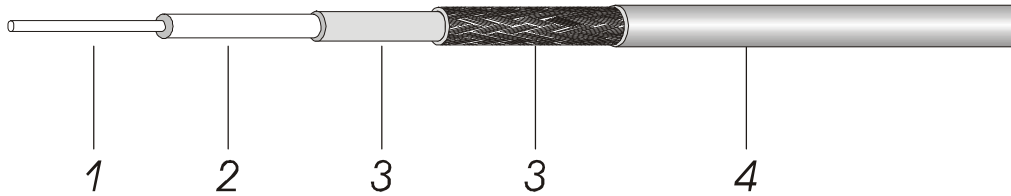


FLL600



Construction Specification

	Material	Diameter in(mm)
1. Inner Conductor	Copper Clad Aluminum	0.176(4.47 ± 0.03)
2. Dielectric	Physical Foam Polyethylene	0.455(11.56 ± 0.30)
3. Outer Conductor	Bonded Aluminum Foil + Tinned Copper Braid	0.492(Nom. 12.50)
4. Jacket	Black Polyethylene	0.59(14.99 ± 0.20)

Electrical Characteristics

Capacitance (pF/ft)/ (pFm)	23.4 (76.6)
Impedance(ohm)	50
Velocity (%)	87
Inner Conductor DC Resistance (Ω/1000ft)/ (Ω/Km)	<0.65 (2.13)
Outer Conductor DC Resistance (Ω/1000ft)/ (Ω/Km)	<1.5 (4.92)
Time Delay (nS/ft nS/M)	1.17 (3.83)
Shielding Effectiveness(dB)	>90
Inductance (μH/ft)/ (μH/m)	0.058 (0.19)
Voltage Withstand (VDC)	4000
Jacket Spark(VAC)	5000
Cut off Frequency(GHz)	10.3
Peak Power(kW)	40
Return Loss ≤ dB (0.03~3000MHz)	-18

Mechanical and Environmental Characteristics

Bend Radius: Installation in (mm)	1.50(38.1)
Bend Radius: Repeated in (mm)	6.0(152.4)
Bending Movement ft-lb (N-m)	2.75 (3.73)
Weight lb/ft (kg/m)	0.131 (0.20)
Tensile Strength lb (kg)	350 (158.9)
Flat Plate Crush lb/in (kg/mm)	60 (1.07)
Operating Temp. °F (°C)	-40to+185 (-40to+85)
Storage Temp. °F (°C)	-40to+185 (-40to+85)
Installation Temp. °F(°C)	-94to+185 (-70to+85)
RoHS/REACH	Compliant

Attenuation (68°F/20°C) and Avg. Power (104°F/40°C) sea level

Frequency(MHz)	Typical Attenuation (dB/100ft)	Max Attenuation (dB/100ft)	Avg. Power(KW)
30	0.4	0.46	5.51
50	0.5	0.55	4.24
150	1.0	1.1	2.16
220	1.2	1.3	1.77
450	1.7	1.9	1.23
700	2.18	2.45	0.95
750	2.26	2.55	0.92

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800	2.35	2.63	0.88
900	2.5	2.7	0.84
1500	3.3	3.7	0.63
1800	3.7	4.1	0.57
2000	3.9	4.3	0.54
2500	4.4	4.9	0.48
5800	7.3	8.2	0.29
6000	7.45	8.91	0.28

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