

# F620001 LITANG

LITANG® 75 Ohm Coaxial Drop Cable, Series 6, white flame retardant PVC jacket, Coil



## Product Classification

Product Type	Coaxial drop cable
Product Brand	LITANG®
Product Series	6 Series
Warranty	One year

## General Specifications

Cable Type	Series 6
Center Conductor Type	Solid
Jacket Color	White
Jacket Marking	Feet
Shield Construction Type	Trishield

## Dimensions

Diameter Over Center Conductor, nominal	0.04 in   1.016 mm
Diameter Over Dielectric, nominal	0.18 in   4.572 mm
Diameter Over Inner Shield (Tape), nominal	0.187 in   4.75 mm
Diameter Over Jacket, nominal	0.278 in   7.061 mm
Jacket Thickness, nominal	0.03 in   0.762 mm
Center Conductor Gauge	18 AWG
Inner Shield (Braid) Gauge	34 AWG

## Electrical Specifications

Capacitance	16.2 pF/ft   53.15 pF/m
Characteristic Impedance	75ohm
Characteristic Impedance Tolerance	±3ohm

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dc Resistance Note	Nominal values based on a standard condition of 20 °C (68 °F)
dc Resistance, Inner Conductor, nominal	30.5 ohms/kft   100.066 ohms/km
dc Resistance, Loop, nominal	36.9 ohms/kft   121.063 ohms/km
dc Resistance, Outer Conductor, nominal	6.4 ohms/kft   20.997 ohms/km
Nominal Velocity of Propagation (NVP)	85 %
Operating Frequency Band	5–3000 MHz

## Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
5.0	1.9	0.58
55.0	5.25	1.6
83.0	6.4	1.95
85.0	6.46	1.97
187.0	9.35	2.85
204.0	9.84	3
211.0	10	3.05
250.0	10.82	3.3
300.0	11.64	3.55
350.0	12.63	3.85
400.0	13.61	4.15
450.0	14.43	4.4
500.0	15.29	4.66
550.0	16.08	4.9
600.0	16.73	5.1
750.0	18.54	5.65
865.0	20.01	6.1
1000.0	21.49	6.55
1218.0	23.66	7.21
1300.0	7.53	24.71
1400.0	25.71	7.84
1500.0	26.68	8.13
1600.0	27.63	8.42
1700.0	28.54	8.7
1794.0	29.39	8.96
1800.0	29.44	8.97

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2000.0	31.17	9.5
2200.0	32.83	10.01
2500.0	35.2	10.73
2800.0	37.46	11.42
3000.0	38.91	11.86

## Material Specifications

Center Conductor Material	Copper-clad steel
Dielectric Material	Foam PE
Jacket Material	Fire retardant PVC
Inner Shield (Braid) Coverage	77 %
Inner Shield (Braid) Material	Aluminum
Inner Shield (Tape) Material	Aluminum/Polymer/Aluminum (APA) bonded
Outer Shield (Tape) Material	Aluminum/Polymer/Aluminum (APA)

## Environmental Specifications

EN50575 CPR Cable EuroClass	Eca
Environmental Space	Indoor   Outdoor
Flame Test Listing	CATV   CM   IEC 60332-1-2   NEC Article 800   NEC Article 820

## Packaging and Weights

Packaging Type	Coil
Weight, gross	34 lb/kft   4.701 kg/km

## Regulatory Compliance/Certifications

Agency	Classification
CENELEC	EN 50575 compliant, Declaration of Performance (DoP) available
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on <a href="http://www.litangcables.com/ProductCompliance">www.litangcables.com/ProductCompliance</a>
ROHS	Compliant

