

F5920001

LITANG®



Product Classification

Product Type	Coaxial drop cable
Product Brand	LITANG®
Product Series	59Series
Warranty	One year

General Specifications

Cable Type	Series 59
Center Conductor Type	Solid
Jacket Color	Black
Jacket Marking	Meters
Shield Construction Type	Trishield

Dimensions

Diameter Over Center Conductor, nominal	0.032 in 0.813 mm
Diameter Over Dielectric, nominal	0.144 in 3.658 mm
Diameter Over Inner Shield (Tape), nominal	0.149 in 3.785 mm
Diameter Over Jacket, nominal	0.24 in 6.096 mm
Jacket Thickness, nominal	0.032 in 0.813 mm
Center Conductor Gauge	20AWG
Inner Shield (Braid) Gauge	34AWG

Electrical Specifications

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

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dc Resistance Note	Nominal values based on a standard condition of 20 °C (68 °F)
dc Resistance, Inner Conductor, nominal	45.7 ohms/kft 149.934 ohms/km
dc Resistance, Loop, nominal	52.7 ohms/kft 172.9 ohms/km
dc Resistance, Outer Conductor, nominal	7 ohms/kft 22.966 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	2.82	0.86
55.0	6.73	2.05
83.0	8.04	2.45
85.0	8.14	2.48
187.0	11.81	3.6
204.0	12.27	3.74
211.0	12.47	3.8
250.0	13.45	4.1
300.0	14.6	4.45
350.0	15.75	4.8
400.0	16.73	5.1
450.0	17.72	5.4
500.0	18.7	5.7
550.0	19.52	5.95
600.0	20.34	6.2
750.0	22.87	6.97
865.0	24.67	7.52
1000.0	26.64	8.12
1200.0	29.29	8.93
1218.0	29.59	9.02
1300.0	30.55	9.31
1400.0	31.78	9.69
1500.0	32.96	10.05
1600.0	34.11	10.4
1700.0	35.23	10.74
1794.0	35.77	10.09

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1800.0

36.32

11.07

Material Specifications

Center Conductor Material	Copper-clad steel
Dielectric Material	Foam PE
Jacket Material	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	IEC 60332-1-2

Packaging and Weights

Packaging Type	Reel
Weight, gross	25 lb/kft 3.456 kg/km

Regulatory Compliance/Certifications

Agency	Classification
CENELEC	EN 50575 compliant, Declaration of Performance (DoP) available
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

