

F1120004

LITANG® 75 Ohm Coaxial Drop Cable, Series 11, black flame retardant PVC jacket



Product Classification

Product Type	Coaxial drop cable
Product Brand	LITANG®
Product Series	11 Series
Warranty	One year

General Specifications

Cable Type	Series 11
Center Conductor Type	Solid
Jacket Color	Black
Jacket Marking	Meters
Shield Construction Type	Quad shield

Dimensions

Diameter Over Center Conductor, nominal	0.064 in 1.626 mm
Diameter Over Dielectric, nominal	0.28 in 7.112 mm
Diameter Over Inner Shield (Tape), nominal	0.287 in 7.29 mm
Diameter Over Jacket, nominal	0.407 in 10.338 mm
Jacket Thickness, nominal	0.037 in 0.94 mm
Center Conductor Gauge	14 AWG
Inner Shield (Braid) Gauge	34 AWG
Outer Shield (Braid) Gauge	34 AWG

Electrical Specifications

Capacitance	16.2 pF/ft 53.15 pF/m
Characteristic Impedance	75 ohm

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Characteristic Impedance Tolerance	±3 ohm
dc Resistance Note	Nominal values based on a standard condition of 20 °C (68 °F)
dc Resistance, Inner Conductor, nominal	12.5 ohms/kft 41.01 ohms/km
dc Resistance, Loop, nominal	16.2 ohms/kft 53.15 ohms/km
dc Resistance, Outer Conductor, nominal	3.7 ohms/kft 12.139 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	1.25	0.38
55.0	3.15	0.96
83.0	3.87	1.18
85.0	3.9	1.19
187.0	5.74	1.75
204.0	6.14	1.87
211.0	6.23	1.9
250.0	6.72	2.05
300.0	7.38	2.25
350.0	7.94	2.42
400.0	8.53	2.6
450.0	9.02	2.75
500.0	9.51	2.9
550.0	9.97	3.04
600.0	10.43	3.18
750.0	11.97	3.65
865.0	13.05	3.98
1000.0	14.27	4.35
1218.0	16.14	4.92
1300.0	16.44	5.01
1400.0	17.13	5.22
1500.0	17.79	5.42
1600.0	18.44	5.62
1700.0	19.08	5.81
1794.0	19.66	5.99

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1800.0	19.7	6
2000.0	20.89	6.37
2200.0	22.05	6.72
2500.0	23.7	7.22
2800.0	25.28	7.71
3000.0	26.3	8.02

Material Specifications

Center Conductor Material	Copper-clad steel
Dielectric Material	Foam PE
Jacket Material	Fire retardant PVC
Inner Shield (Braid) Coverage	60 %
Inner Shield (Braid) Material	Aluminum
Inner Shield (Tape) Material	Aluminum/Polymer/Aluminum (APA) bonded
Outer Shield (Braid) Coverage	40 %
Outer Shield (Braid) Material	Aluminum
Outer Shield (Tape) Material	Aluminum/Polymer/Aluminum (APA)

Environmental Specifications

Environmental Space	Indoor
Flame Test Listing	AS/NZS 1660.5.6

Packaging and Weights

Packaging Type	Reel
Weight, gross	72 lb/kft 9.954 kg/km

Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

