

LITANG® 75 Ohm Coaxial Drop Cable, Series 50, black flame retardant PVC jacket



Product Classification

Product Type	Coaxial drop cable
Product Brand	LITANG®
Product Series	50Series
Warranty	One year

General Specifications

Cable Type	Series 50
Center Conductor Type	Solid
Jacket Color	Black
Jacket Marking	Feet
Shield Construction Type	Trishield

Dimensions

Diameter Over Center Conductor, nominal	0.109 in 2.769 mm
Diameter Over Dielectric, nominal	0.455 in 11.557 mm
Diameter Over Inner Shield (Tape), nominal	0.463 in 11.76 mm
Diameter Over Jacket, nominal	0.59 in 14.986 mm
Jacket Thickness, nominal	0.047 in 1.194 mm
Center Conductor Gauge	9 AWG
Inner Shield (Braid) Gauge	33 AWG

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	1.2 ohms/kft 3.937 ohms/km
dc Resistance, Loop, nominal	4.6 ohms/kft 15.092 ohms/km
dc Resistance, Outer Conductor, nominal	3.4 ohms/kft 11.155 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	0.69	0.21
55.0	1.97	0.6
83.0	2.4	0.73
85.0	2.43	0.74
187.0	3.58	1.09
204.0	4.63	1.14
211.0	3.81	1.16
250.0	4.17	1.27
300.0	4.56	1.39
350.0	4.92	1.5
400.0	5.28	1.61
450.0	5.61	1.71
500.0	5.91	1.8
550.0	6.2	1.89
600.0	6.5	1.98
750.0	7.32	2.23
865.0	7.87	2.4
1000.0	8.5	2.59
1218.0	9.42	2.87
1300.0	9.81	2.99
1400.0	10.27	3.13
1500.0	10.7	3.26
1600.0	11.09	3.38
1700.0	11.52	3.51
1794.0	11.88	3.62
1800.0	11.91	3.63

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2000.0	12.7	3.87
2200.0	13.45	4.1
2500.0	14.53	4.43
2800.0	15.59	4.75
3000.0	16.24	4.95

Material Specifications

Center Conductor Material	Copper-clad aluminum
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 (Tape) Material	Aluminum/Polymer/Aluminum (APA)

Environmental Specifications

Environmental Space	Riser
Flame Test Listing	CATVR NEC Article 820

Packaging and Weights

Packaging Type	Reel
Weight, gross	95 lb/kft 13.134 kg/km

Regulatory Compliance/Certifications

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

