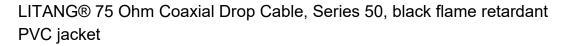
F502001





Product Classification

Product Type Coaxial drop cable

Product Brand LITANG®
Product Series 50 Series
Warranty One year

General Specifications

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

Dimensions

DiameterOver Center Conductor, nominal0.109 in | 2.769 mmDiameterOver Dielectric, nominal0.455 in | 11.557 mmDiameterOver Inner Shield (Tape), nominal0.463 in | 11.76 mmDiameterOver Jacket, nominal0.59 in | 14.986 mmJacket Thickness, nominal0.047 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, nominal1.2 ohms/kft | 3.937 ohms/kmdc Resistance, Loop, nominal4.6 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

