SZ4999303 | F5977TSV SM MT

Coaxial Drop Cable, 75 Ohm, Series 59, white PVC jacket

Product Classification

Product Type	Coaxial drop cable
Product Series	59 Series
Warranty	One year

General Specifications

Cable Type	Series 59
Center Conductor Type	Solid
Jacket Color	Black
Jacket Marking	Meters
Performance Note	Attenuation listed represents maximum values at standard condition of 20 ° C (68 °F)
Shield Construction Type	Trishield

Dimensions

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

Electrical Specifications

Capacitance	53.15 pF/m | 16.2 pF/ft
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	149.934 ohms/km | 45.7 ohms/kft
dc Resistance, Loop, nominal	172.9 ohms/km | 52.7 ohms/kft
dc Resistance, Outer Conductor, nominal	22.966 ohms/km | 7 ohms/kft
Nominal Velocity of Propagation (NVP)	85 %
Operating Frequency Band	5–3000 MHz
Structural Return Loss, Grade A	≥15 dB @ 1801–3000 MHz | ≥20 dB @ 5–1800 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

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1600.0	34.11	10.4
1700.0	35.23	10.74
1794.0	35.77	10.09
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 Fire Performance	Eca
Environmental Space	Indoor | Outdoor
Flame Test Listing	IEC 60332-1-2

Packaging and Weights

Packaging Type	Reel
Weight, gross	37.204 kg/km | 25 lb/kft

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

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