Product Specifications



Broadband Solutions

4597303 | F690BV WHT SM MT

75 Ohm Coaxial Drop Cable, Series 6, white PVC jacket

Construction Materials

Jacket Material	PVC
Center Conductor Material	Copper-clad steel
Dielectric Material	Foam PE
Inner Shield (Braid) Coverage	90 %
Inner Shield (Braid) Gauge	34 AWG
Inner Shield (Braid) Material	Aluminum
Inner Shield (Tape) Material	Aluminum/Polymer/Aluminum (APA) bonded

Dimensions

Diameter Over Center Conductor, nominal	1.016 mm | 0.040 in
Diameter Over Dielectric, nominal	4.572 mm | 0.180 in
Diameter Over Inner Shield (Tape), nominal	4.750 mm | 0.187 in
Diameter Over Jacket, nominal	6.909 mm | 0.272 in
Jacket Thickness, nominal	0.7620 mm | 0.0300 in
Shipping Weight	34.00 lb/kft

Electrical Specifications

dc Resistance, Inner Conductor, nominal	30.50 ohms/kft
dc Resistance, Outer Conductor, nominal	6.70 ohms/kft
dc Resistance, Loop, nominal	37.20 ohms/kft
dc Resistance Note	Nominal values based on a standard condition of 20 °C (68 °F)
Capacitance	53.1 pF/m | 16.2 pF/ft
Characteristic Impedance	75 ohm
Characteristic Impedance Tolerance	±3 ohm
Nominal Velocity of Propagation (NVP)	85 %

Environmental Specifications

Environmental Space	Indoor

General Specifications

Cable Type	Series 6
Packaging Type	Reel
Shield Construction Type	Dual shield
Center Conductor Gauge	18 AWG
Center Conductor Type	Solid
Jacket Color	White
Jacket Marking	Meters
Warranty	One year

Electrical Performance

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Product Specifications

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Frequency	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
5 MHz	1.90	0.58
55 MHz	5.25	1.60
83 MHz	6.40	1.95
187 MHz	9.35	2.85
211 MHz	10.00	3.05
250 MHz	10.82	3.30
300 MHz	11.64	3.55
350 MHz	12.63	3.85
400 MHz	13.61	4.15
450 MHz	14.43	4.40
500 MHz	15.29	4.66
550 MHz	16.08	4.90
600 MHz	16.73	5.10
750 MHz	18.54	5.65
865 MHz	20.01	6.10
1000 MHz	21.49	6.55

** Attenuation listed represents maximum values at standard condition of 20 °C (68 °F)*

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system

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