

SZ4900363 | SAT6DS WHT CL MS MT 100M

Coaxial Drop Cable, 75 Ohm SAT6, white PVC jacket



Product Classification

Product Type	Coaxial drop cable
Product Series	6 Series
Warranty	One year

General Specifications

Cable Type	Series 6
Center Conductor Type	Solid
Jacket Color	White
Jacket Marking	Meters
Performance Note	Attenuation listed represents maximum values at standard condition of 20 °C (68 °F)
Shield Construction Type	Dual shield

Dimensions

Diameter Over Center Conductor, nominal	1.016 mm 0.04 in
Diameter Over Dielectric, nominal	4.572 mm 0.18 in
Diameter Over Inner Shield (Tape), nominal	4.75 mm 0.187 in
Diameter Over Jacket, nominal	6.909 mm 0.272 in
Jacket Thickness, nominal	0.762 mm 0.03 in
Center Conductor Gauge	18 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	104.003 ohms/km 31.7 ohms/kft
dc Resistance, Loop, nominal	138.123 ohms/km 42.1 ohms/kft
dc Resistance, Outer Conductor, nominal	34.121 ohms/km 10.4 ohms/kft
Nominal Velocity of Propagation (NVP)	85 %
Operating Frequency Band	5–3000 MHz
Structural Return Loss	=15 dB @ 1002–3000 MHz =20 dB @ 5–1002 MHz

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
55.0	5.25	1.6
83.0	6.4	1.95
85.0	6.46	1.97
187.0	9.35	2.85
204.0	9.84	3
211.0	10	3.05
250.0	10.82	3.3
300.0	11.64	3.55
350.0	12.63	3.85
400.0	13.61	4.15
450.0	14.43	4.4
500.0	15.29	4.66
550.0	16.08	4.9
600.0	16.73	5.1
750.0	18.54	5.65
865.0	20.01	6.1
1000.0	21.49	6.55
1218.0	23.66	7.21
1300.0	24.71	7.53
1400.0	25.71	7.84
1500.0	26.68	8.13
1600.0	27.63	8.42
1700.0	28.54	8.7
1794.0	29.39	8.96

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1800.0	29.44	8.97
1900.0	30.31	9.24
2000.0	31.17	9.5
2200.0	32.83	10.01
2500.0	35.2	10.73
3000.0	38.91	11.86

Material Specifications

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

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	Coil
Weight, gross	43.157 kg/km 29 lb/kft

Regulatory Compliance/Certifications

Agency	Classification
CENELEC	EN 50575 compliant, Declaration of Performance (DoP) available
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant

