Product Specifications

COMMSCOPE®

4266003/10 | 5786H WHRL 2-RG6 60 1000

Dual RG 6 Type 60% Braid Non-Halogen Coaxial Cable, white jacket, 1000 ft (305 m) reel

Construction Materials

Construction Type	Non-armored
Center Conductor Material	Copper-clad steel wire
Dielectric Material	Foam PE
Jacket Material	Low Smoke Zero Halogen (LSZH)
Shield (Braid) Coverage	60 %
Shield (Braid) Gauge	34 AWG
Shield (Braid) Material	Aluminum
Shield (Tape) Material	Aluminum/Poly, bonded

Dimensions

Cable Length	305 m | 1000 ft
Cable Weight	57.00 lb/kft
Diameter Over Center Conductor	1.0236 mm per 1 strand 0.0403 in per 1 strand
Diameter Over Dielectric	4.5720 mm | 0.1800 in
Diameter Over Dielectric Tolerance	±0.004 in
Diameter Over Shield (Braid)	5.385 mm | 0.212 in
Overall Cable Width	14.605 mm | 0.575 in
Diameter Over Inner Shield (Braid)	5.385 mm | 0.212 in

Dimensions, Coaxial

Diameter Over Jacket	6.909 mm | 0.272 in
Diameter Over Jacket Tolerance	±0.008 in
Jacket Thickness	0.762 mm | 0.030 in
Jacket Thickness, minimum spot	0.610 mm | 0.024 in

Electrical Specifications

Capacitance	52.5 pF/m | 16.0 pF/ft
Characteristic Impedance	75 ohm
Characteristic Impedance Tolerance	±3 ohm
Conductor dc Resistance	28.60 ohms/kft
Dielectric Strength, conductor to shield	2500 Vdc
Jacket Spark Test Voltage	4000 Vac
Nominal Velocity of Propagation (NVP)	82 %
Shield dc Resistance	9.70 ohms/kft
Structural Return Loss	15 dB @ 2200–3000 MHz | 20 dB @ 5–2200 MHz
Structural Return Loss Test Method	100% Swept Tested

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Environmental Specifications

Environmental Space	Low Smoke Zero Halogen (LSZH)
Acid Gas Test Method	IEC 60754-2 | IEC 60754-1
Flame Test Method	IEC 60332-3-24
Operating Temperature	-40 °C to +75 °C (-40 °F to +167 °F)
Smoke Test Method	IEC 61034-1 | IEC 61034-2
UL Temperature Rating	60 °C | 140 °F

General Specifications

Cable Type	Series 6
Jacket Color	White
Product Number	5786H
Center Conductor Gauge	18 AWG
Center Conductor Type	Solid
Packaging Type	Reel

Mechanical Specifications

Minimum Bend Radius, loaded	20 times
Minimum Bend Radius, unloaded	10 times

Electrical Performance

Frequency	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
1 MHz	1.21	0.37
10 MHz	2.16	0.66
50 MHz	4.62	1.41
100 MHz	6.30	1.92
200 MHz	8.66	2.64
400 MHz	12.23	3.73
700 MHz	16.56	5.05
900 MHz	18.99	5.79
1000 MHz	20.04	6.11
1200 MHz	22.07	6.73
1450 MHz	24.57	7.49
1800 MHz	27.65	8.43
2200 MHz	30.67	9.35
2500 MHz	32.70	9.97
3000 MHz	35.82	10.92

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2002/95/EC	Compliant
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system