Product Specifications

4112704/10 | 2227V WHRL RG6 QD 1000

RG 6 Type Quad Shield Plenum Video Coaxial Cable, white jacket, 1000 ft (305 m) reel

Product Classification

Portfolio	CommScope®
Product Type	Coaxial video cable
Regional Availability	Asia | Australia/New Zealand | EMEA | Latin America | North America

Construction Materials

Construction Type	Non-armored
Center Conductor Material	Copper-clad steel wire
Dielectric Material	Foam FEP
Inner Shield (Braid) Coverage	60 %
Inner Shield (Braid) Gauge	34 AWG
Inner Shield (Braid) Material	Aluminum
Inner Shield (Tape) Material	Aluminum/Poly
Outer Shield (Braid) Coverage	40 %
Outer Shield (Braid) Gauge	34 AWG
Outer Shield (Braid) Material	Aluminum
Outer Shield (Tape) Material	Aluminum/Poly, non-bonded
Jacket Material	PVC

Dimensions

Cable Length	305 m | 1000 ft
Cable Weight	29.00 lb/kft
Diameter Over Center Conductor	1.0236 mm per 1 strand 0.0403 in per 1 strand
Diameter Over Dielectric	4.3180 mm | 0.1700 in
Diameter Over Jacket	6.604 mm | 0.260 in
Diameter Over Jacket Tolerance	±0.006 in
Jacket Thickness	0.406 mm | 0.016 in
Jacket Thickness, minimum spot	0.330 mm | 0.013 in
Diameter Over Inner Shield (Braid)	5.131 mm | 0.202 in
Diameter Over Outer Shield (Braid)	5.740 mm | 0.226 in

Electrical Specifications

Capacitance	50.9 pF/m | 15.5 pF/ft
Characteristic Impedance	75 ohm
Characteristic Impedance Tolerance	±3 ohm
Conductor dc Resistance	28.60 ohms/kft
Dielectric Strength, conductor to shield	2000 Vdc
Jacket Spark Test Voltage	2500 Vac
Nominal Velocity of Propagation (NVP)	84 %
Shield dc Resistance	5.30 ohms/kft
Structural Return Loss	15 dB @ 1000–3000 MHz | 20 dB @ 5–1000 MHz

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Structural Return Loss Test Method	100% Swept Tested

Environmental Specifications

Environmental Space	Plenum
Flame Test Method	CMP
Safety Standard	cETL | ETL
UL Temperature Rating	75 °C | 167 °F

General Specifications

Application	Video
Cable Type	Series 6
Jacket Color	White
Product Number	2227V
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 ft)
1 MHz	0.38
10 MHz	0.70
50 MHz	1.48
100 MHz	2.01
200 MHz	2.86
400 MHz	4.23
700 MHz	5.96
900 MHz	6.96
1000 MHz	7.45
1200 MHz	8.25
1450 MHz	9.34
1800 MHz	10.69
2200 MHz	11.54
2500 MHz	11.70
3000 MHz	13.07

Regulatory Compliance/Certifications

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