



4101204/10 | 2287V WTRL RG11 QD 1000

RG 11 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	36 AWG
Inner Shield (Braid) Material	Tinned copper
Inner Shield (Tape) Material	Aluminum/Poly
Outer Shield (Braid) Coverage	50 %
Outer Shield (Braid) Gauge	36 AWG
Outer Shield (Braid) Material	Tinned copper
Outer Shield (Tape) Material	Aluminum/Poly, non-bonded
Jacket Material	PVC

Dimensions

Cable Length	305 m 1000 ft
Cable Weight	69.00 lb/kft
Diameter Over Center Conductor	1.6281 mm per 1 strand 0.0641 in per 1 strand
Diameter Over Dielectric	7.0612 mm 0.2780 in
Diameter Over Inner Shield (Tape)	7.214 mm 0.284 in
Diameter Over Jacket	9.042 mm 0.356 in
Diameter Over Jacket Tolerance	±0.008 in
Jacket Thickness	0.432 mm 0.017 in
Jacket Thickness, minimum spot	0.305 mm 0.012 in
Diameter Over Inner Shield (Braid)	7.595 mm 0.299 in
Diameter Over Outer Shield (Braid)	8.204 mm 0.323 in

Electrical Specifications

Capacitance	52.5 pF/m 16.0 pF/ft
Characteristic Impedance	75 ohm
Characteristic Impedance Tolerance	±3 ohm
Conductor dc Resistance	11.00 ohms/kft
Dielectric Strength, conductor to shield	4000 Vdc
Jacket Spark Test Voltage	2500 Vac
Nominal Velocity of Propagation (NVP)	86 %
Shield dc Resistance	1.70 ohms/kft

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Structural Return Loss 15 dB @ 1000–3000 MHz | 20 dB @ 5–1000 MHz
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 11
Jacket Color White
Product Number 2287V
Center Conductor Gauge 14 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	0.15
10 MHz	0.45
50 MHz	0.90
100 MHz	1.28
200 MHz	1.85
400 MHz	2.75
700 MHz	3.92
900 MHz	4.72
1000 MHz	5.04
1450 MHz	6.67
1800 MHz	7.71
2200 MHz	8.50
3000 MHz	9.88

Regulatory Compliance/Certifications

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

