

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

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

General Specifications

Product Number	2287V
Cable Type	Series 11
Center Conductor Type	Solid
Construction Type	Non-armored
Jacket Color	White
Supported Application	Video

Dimensions

Cable Length	304.8 m 1000 ft
Diameter Over Center Conductor, specific	0.0641 in per 1 strand
Diameter Over Dielectric	7.061 mm 0.278 in
Diameter Over Inner Shield (Braid)	7.595 mm 0.299 in
Diameter Over Inner Shield (Tape)	7.214 mm 0.284 in
Diameter Over Jacket Tolerance	±0.008 in
Diameter Over Jacket, nominal	9.042 mm 0.356 in
Diameter Over Outer Shield (Braid)	8.204 mm 0.323 in
Jacket Thickness	0.432 mm 0.017 in
Jacket Thickness, minimum spot	0.305 mm 0.012 in
Center Conductor Gauge	14 AWG

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Inner Shield (Braid) Gauge	36 AWG
Outer Shield (Braid) Gauge	36 AWG

Electrical Specifications

Capacitance	52.493 pF/m 16 pF/ft
Characteristic Impedance	75 ohm
Characteristic Impedance Tolerance	±3 ohm
Conductor dc Resistance	36.089 ohms/km 11 ohms/kft
Dielectric Strength, conductor to shield	4000 Vdc
Jacket Spark Test Voltage	2500 Vac
Nominal Velocity of Propagation (NVP)	86 %
Shield dc Resistance	5.577 ohms/km 1.7 ohms/kft
Structural Return Loss	15 dB @ 1000–3000 MHz 20 dB @ 5–1000 MHz
Structural Return Loss Test Method	100% Swept Tested

Attenuation

Frequency (MHz)	Attenuation (dB/100 ft)
1.0	0.15
10.0	0.45
50.0	0.9
100.0	1.28
200.0	1.85
400.0	2.75
700.0	3.92
900.0	4.72
1000.0	5.04
1450.0	6.67
1800.0	7.71
2200.0	8.5
3000.0	9.88

Material Specifications

Center Conductor Material	Copper-clad steel wire
Dielectric Material	Foam FEP
Jacket Material	PVC

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Inner Shield (Braid) Coverage	60 %
Inner Shield (Braid) Material	Tinned copper
Inner Shield (Tape) Material	Aluminum/Poly
Outer Shield (Braid) Coverage	50 %
Outer Shield (Braid) Material	Tinned copper
Outer Shield (Tape) Material	Aluminum/Poly, non-bonded

Mechanical Specifications

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

Environmental Specifications

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

Packaging and Weights

Cable weight	102.683 kg/km 69 lb/kft
Packaging Type	Reel

Regulatory Compliance/Certifications

Agency	Classification
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

