

# 4103904/10 | 2229V WHRL RG6 QD BC 1000



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

## Product Classification

<b>Regional Availability</b>	North America
<b>Portfolio</b>	CommScope®
<b>Product Type</b>	Coaxial video cable

## General Specifications

<b>Product Number</b>	2229V
<b>Cable Type</b>	Series 6
<b>Center Conductor Type</b>	Solid
<b>Construction Type</b>	Non-armored
<b>Jacket Color</b>	White

## Dimensions

<b>Cable Length</b>	304.8 m   1000 ft
<b>Diameter Over Center Conductor Tolerance</b>	±0.0004 in
<b>Diameter Over Center Conductor, specific</b>	0.0403 in per 1 strand
<b>Diameter Over Dielectric</b>	4.318 mm   0.17 in
<b>Diameter Over Inner Shield (Braid)</b>	5.131 mm   0.202 in
<b>Diameter Over Jacket, nominal</b>	6.604 mm   0.26 in
<b>Diameter Over Jacket Tolerance</b>	±0.004 in
<b>Diameter Over Outer Shield (Braid)</b>	5.893 mm   0.232 in
<b>Jacket Thickness</b>	0.406 mm   0.016 in
<b>Jacket Thickness, minimum spot</b>	0.33 mm   0.013 in
<b>Center Conductor Gauge</b>	18 AWG
<b>Inner Shield (Braid) Gauge</b>	34 AWG
<b>Outer Shield (Braid) Gauge</b>	34 AWG

## Electrical Specifications

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<b>Capacitance</b>	50.853 pF/m   15.5 pF/ft
<b>Characteristic Impedance</b>	75 ohm
<b>Characteristic Impedance Tolerance</b>	±3 ohm
<b>Conductor dc Resistance</b>	20.997 ohms/km   6.4 ohms/kft
<b>Dielectric Strength, conductor to shield</b>	2500 Vdc
<b>Jacket Spark Test Voltage</b>	2500 Vac
<b>Nominal Velocity of Propagation (NVP)</b>	84 %
<b>Shield dc Resistance</b>	17.388 ohms/km   5.3 ohms/kft
<b>Structural Return Loss</b>	15 dB @ 1000–3000 MHz   20 dB @ 50–1000 MHz   25 dB @ 5-50MHz
<b>Structural Return Loss Test Method</b>	100% Swept Tested

## Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
1.0	0.85	0.26
10.0	2.3	0.7
50.0	4.85	1.48
100.0	6.59	2.01
200.0	9.38	2.86
400.0	13.87	4.23
600.0	17.77	5.42
700.0	19.55	5.96
900.0	22.83	6.96
1000.0	24.44	7.45
1450.0	30.64	9.34
2200.0	37.85	11.54
3000.0	42.87	13.07

## Material Specifications

<b>Center Conductor Material</b>	Bare copper
<b>Dielectric Material</b>	Foam FEP
<b>Jacket Material</b>	PVC
<b>Inner Shield (Braid) Coverage</b>	60 %
<b>Inner Shield (Braid) Material</b>	Aluminum
<b>Inner Shield (Tape) Material</b>	Aluminum/Poly, bonded

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<b>Outer Shield (Braid) Coverage</b>	40 %
<b>Outer Shield (Braid) Material</b>	Aluminum
<b>Outer Shield (Tape) Material</b>	Aluminum/Poly, non-bonded

## Mechanical Specifications

<b>Minimum Bend Radius, loaded, times</b>	20 times
<b>Minimum Bend Radius, unloaded, times</b>	10 times

## Environmental Specifications

<b>Operating Temperature</b>	-40 °C to +75 °C (-40 °F to +167 °F)
<b>Environmental Space</b>	Plenum
<b>Temperature Rating, UL</b>	75 °C   167 °F
<b>Flame Test Method</b>	CMP
<b>Safety Standard</b>	ETL   cETL

## Packaging and Weights

<b>Cable weight</b>	44.645 kg/km   30 lb/kft
<b>Packaging Type</b>	Reel

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
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 <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant

