

# 4101103/10 | 2273V WHRL RG6 90 1000



RG 6 Type 90% Braid Plenum Video Coaxial Cable, white jacket, 1000 ft (305 m) reel

## Product Classification

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

## General Specifications

<b>Product Number</b>	2273V
<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 Jacket, nominal</b>	6.02 mm   0.237 in
<b>Diameter Over Jacket Tolerance</b>	±0.004 in
<b>Diameter Over Shield (Braid)</b>	5.207 mm   0.205 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>Shield (Braid) Gauge</b>	34 AWG

## Electrical Specifications

<b>Capacitance</b>	50.853 pF/m   15.5 pF/ft
<b>Characteristic Impedance</b>	75 ohm

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<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>	20.997 ohms/km   6.4 ohms/kft
<b>Structural Return Loss</b>	15 dB @ 1000–3000 MHz   20 dB @ 5–1000 MHz
<b>Structural Return Loss Test Method</b>	100% Swept Tested

## Attenuation

<b>Frequency (MHz)</b>	<b>Attenuation (dB/100 m)</b>	<b>Attenuation (dB/100 ft)</b>
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>Shield (Braid) Coverage</b>	90 %
<b>Shield (Braid) Material</b>	Aluminum
<b>Shield (Tape) Material</b>	Aluminum/Poly, bonded

## Mechanical Specifications

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

## Environmental Specifications

**Operating Temperature** -40 °C to +75 °C (-40 °F to +167 °F)

**Environmental Space** Plenum

**Temperature Rating, UL** 75 °C | 167 °F

**Flame Test Method** CMP

**Safety Standard** ETL | cETL

## Packaging and Weights

**Cable weight** 41.669 kg/km | 28 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 <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant

