

# 4123803/10 | 2277V WHRL RG6 95 1000



RG 6 Type 95% Braid Plenum Video Security Coaxial Cable, white jacket, 1000 ft (305 m) reel

**OBSOLETE**

## 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>	2277V
<b>Cable Type</b>	Series 6
<b>Center Conductor Type</b>	Solid
<b>Construction Type</b>	Non-armored
<b>Jacket Color</b>	White
<b>Supported Application</b>	Security/CCTV

## Dimensions

<b>Cable Length</b>	304.8 m   1000 ft
<b>Diameter Over Dielectric</b>	4.318 mm   0.17 in
<b>Diameter Over Jacket, nominal</b>	5.74 mm   0.226 in
<b>Diameter Over Jacket Tolerance</b>	±0.004 in
<b>Diameter Over Shield (Tape)</b>	4.826 mm   0.19 in
<b>Jacket Thickness</b>	0.457 mm   0.018 in
<b>Jacket Thickness, minimum spot</b>	0.305 mm   0.012 in
<b>Center Conductor Gauge</b>	18 AWG
<b>Shield (Braid) Gauge</b>	36 AWG

## Electrical Specifications

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<b>Capacitance</b>	52.493 pF/m   16 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>	2000 Vdc
<b>Jacket Spark Test Voltage</b>	4000 Vac
<b>Nominal Velocity of Propagation (NVP)</b>	84 %
<b>Shield dc Resistance</b>	9.843 ohms/km   3 ohms/kft
<b>Structural Return Loss</b>	20 dB @ 10–300 MHz
<b>Structural Return Loss Test Method</b>	100% Swept Tested

## Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
1.0	0.69	0.21
10.0	2.13	0.65
100.0	6.69	2.04
400.0	14.63	4.46
700.0	19.32	5.89
900.0	24.5	7.47
1000.0	26.31	8.02

## 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>	92 %
<b>Shield (Braid) Material</b>	Bare copper

## Mechanical Specifications

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

## Environmental Specifications

<b>Environmental Space</b>	Plenum
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<b>Temperature Rating, UL</b>	60 °C   140 °F
<b>Flame Test Method</b>	CMP
<b>Safety Standard</b>	ETL   cETL

## Packaging and Weights

<b>Cable weight</b>	49.109 kg/km   33 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

