

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

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

General Specifications

Product Number	2273V
Cable Type	Series 6
Center Conductor Type	Solid
Construction Type	Non-armored
Jacket Color	White

Dimensions

Cable Length	1000 ft 304.8 m
Diameter Over Center Conductor Tolerance	±0.0004 in
Diameter Over Center Conductor, specific	0.0403 in per 1 strand
Diameter Over Dielectric	0.17 in 4.318 mm
Diameter Over Jacket Tolerance	±0.004 in
Diameter Over Jacket, nominal	0.237 in 6.02 mm
Diameter Over Shield (Braid)	0.205 in 5.207 mm
Jacket Thickness	0.016 in 0.406 mm
Jacket Thickness, minimum spot	0.013 in 0.33 mm
Center Conductor Gauge	18 AWG
Shield (Braid) Gauge	34 AWG

Electrical Specifications

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Capacitance	15.5 pF/ft 50.853 pF/m
Characteristic Impedance	75 ohm
Characteristic Impedance Tolerance	±3 ohm
Conductor dc Resistance	6.4 ohms/kft 20.997 ohms/km
Dielectric Strength, conductor to shield	2500 Vdc
Jacket Spark Test Voltage	2500 Vac
Nominal Velocity of Propagation (NVP)	84 %
Shield dc Resistance	6.4 ohms/kft 20.997 ohms/km
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 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

Center Conductor Material	Bare copper
Dielectric Material	Foam FEP
Jacket Material	PVC
Shield (Braid) Coverage	90 %
Shield (Braid) Material	Aluminum
Shield (Tape) Material	Aluminum/Poly, bonded

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Mechanical Specifications

Minimum Bend Radius, loaded, times	20 times
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	60 °C 140 °F
Flame Test Method	CMP
Safety Standard	ETL cETL

Packaging and Weights

Cable weight	28 lb/kft 3.871 kg/km
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

