

4135303/10 | 2279V WHRL RG6 95 1000

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

OBSOLETE

Product Classification

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

General Specifications

Product Number	2279V
Cable Type	Series 6
Center Conductor Type	Solid
Construction Type	Non-armored
Jacket Color	White
Supported Application	Video

Dimensions

Cable Length	304.8 m 1000 ft
Diameter Over Dielectric	4.318 mm 0.17 in
Diameter Over Dielectric Tolerance	±0.004 in
Diameter Over Jacket, nominal	6.02 mm 0.237 in
Diameter Over Jacket Tolerance	±0.004 in
Diameter Over Shield (Braid)	5.207 mm 0.205 in
Diameter Over Shield (Tape)	4.47 mm 0.176 in
Jacket Thickness	0.406 mm 0.016 in
Jacket Thickness, minimum spot	0.33 mm 0.013 in
Center Conductor Gauge	18 AWG
Shield (Braid) Gauge	34 AWG

Electrical Specifications

Capacitance	52.493 pF/m 16 pF/ft
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Characteristic Impedance	75 ohm
Characteristic Impedance Tolerance	±3 ohm
Conductor dc Resistance	21.325 ohms/km 6.5 ohms/kft
Dielectric Strength, conductor to shield	2500 Vdc
Jacket Spark Test Voltage	4000 Vac
Nominal Velocity of Propagation (NVP)	84 %
Shield dc Resistance	8.202 ohms/km 2.5 ohms/kft
Structural Return Loss	15 dB @ 850–3000 MHz 18 dB @ 450–850 MHz 23 dB @ 5–450 MHz
Structural Return Loss Test Method	100% Swept Tested

Attenuation

Frequency (MHz)	Attenuation (dB/100 ft)
1.0	0.26
3.6	0.47
10.0	0.7
71.5	1.65
135.0	2.39
270.0	3.4
360.0	4.08
720.0	6.05
1000.0	7.45
1200.0	7.77
1450.0	8.61
1800.0	9.73
2500.0	11.7
3000.0	13.07

Material Specifications

Center Conductor Material	Bare copper
Dielectric Material	Foam FEP
Jacket Material	PVC
Shield (Braid) Coverage	95 %
Shield (Braid) Material	Tinned copper
Shield (Tape) Material	Aluminum/Poly

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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	61.015 kg/km 41 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
UK-ROHS	Compliant

