

4138003/10 | 2275V WHRL RG6 60 1000



RG 6 Type 60% 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	2275V
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 Jacket Tolerance	±0.006 in
Diameter Over Jacket, nominal	6.071 mm 0.239 in
Diameter Over Shield (Tape)	4.521 mm 0.178 in
Jacket Thickness	0.381 mm 0.015 in
Jacket Thickness, minimum spot	0.254 mm 0.01 in
Center Conductor Gauge	18 AWG
Shield (Braid) Gauge	34 AWG

Electrical Specifications

Capacitance	50.853 pF/m 15.5 pF/ft
Characteristic Impedance	75 ohm
Characteristic Impedance Tolerance	±3 ohm
Conductor dc Resistance	93.832 ohms/km 28.6 ohms/kft
Dielectric Strength, conductor to shield	2000 Vdc

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Jacket Spark Test Voltage	2500 Vac
Nominal Velocity of Propagation (NVP)	84 %
Shield dc Resistance	29.528 ohms/km 9 ohms/kft
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	1.25	0.38
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
700.0	19.55	5.96
900.0	22.83	6.96
1000.0	24.44	7.45
1200.0	27.06	8.25
1450.0	30.64	9.34
1800.0	35.06	10.69
2200.0	37.85	11.54
2500.0	38.38	11.7
3000.0	42.87	13.07

Material Specifications

Center Conductor Material	Copper-clad steel wire
Dielectric Material	Foam FEP
Jacket Material	PVC
Shield (Braid) Coverage	60 %
Shield (Braid) Material	Aluminum
Shield (Tape) Material	Aluminum/Poly

Mechanical Specifications

Minimum Bend Radius, loaded, times	20 times
Minimum Bend Radius, unloaded, times	10 times

Environmental Specifications

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

Packaging and Weights

Cable weight	38.692 kg/km 26 lb/kft
Packaging Type	Reel

Regulatory Compliance/Certifications

Agency	Classification
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

