



4130203/10 | 2289V WHRL RG11 TRI  
1000

**RG 11 Type 77% Braid Trishield Plenum Video Coaxial Cable, white jacket, 1000 ft (305 m) reel**

## Construction Materials

Construction Type	Non-armored
Center Conductor Material	Copper-clad steel wire
Dielectric Material	Foam FEP
Inner Shield (Braid) Coverage	77 %
Inner Shield (Braid) Gauge	34 AWG
Inner Shield (Braid) Material	Tinned copper
Inner Shield (Tape) Material	Aluminum/Poly, bonded
Jacket Material	PVC
Outer Shield (Tape) Material	Aluminum/Poly, non-bonded

## Dimensions

Cable Length	305 m   1000 ft
Cable Weight	69.00 lb/kft
Diameter Over Center Conductor	1.6281 mm per 1 strand 0.0641 in per 1 strand
Diameter Over Dielectric	7.0612 mm   0.2780 in
Diameter Over Jacket	8.941 mm   0.352 in
Diameter Over Jacket Tolerance	±0.008 in
Diameter Over Shield (Braid)	7.823 mm   0.308 in
Jacket Thickness	0.457 mm   0.018 in
Jacket Thickness, minimum spot	0.330 mm   0.013 in

## Electrical Specifications

Capacitance	52.5 pF/m   16.0 pF/ft
Characteristic Impedance	75 ohm
Characteristic Impedance Tolerance	±3 ohm
Conductor dc Resistance	11.00 ohms/kft
Dielectric Strength, conductor to shield	4000 Vdc
Jacket Spark Test Voltage	5000 Vac
Nominal Velocity of Propagation (NVP)	84 %
Structural Return Loss	15 dB @ 1000–3000 MHz   20 dB @ 5–1000 MHz
Structural Return Loss Test Method	100% Swept Tested

## Environmental Specifications

Environmental Space	Plenum
Flame Test Method	CMP
Operating Temperature	-40 °C to +75 °C (-40 °F to +167 °F)

# Product Specifications

COMMScope®

4130203/10 | 2289V WHRL RG11 TRI 1000

Safety Standard	cETL   ETL
UL Temperature Rating	75 °C   167 °F

## General Specifications

Cable Type	Series 11
Jacket Color	White
Product Number	2289V
Center Conductor Gauge	14 AWG
Center Conductor Type	Solid
Packaging Type	Reel

## Mechanical Specifications

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

## Electrical Performance

Frequency	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
1 MHz	0.49	0.15
10 MHz	1.48	0.45
50 MHz	2.95	0.90
100 MHz	4.20	1.28
200 MHz	6.07	1.85
400 MHz	9.02	2.75
700 MHz	12.86	3.92
900 MHz	15.48	4.72
1000 MHz	16.53	5.04
1450 MHz	21.88	6.67
1800 MHz	25.29	7.71
2200 MHz	27.88	8.50
3000 MHz	32.41	9.88

## Regulatory Compliance/Certifications

Agency	Classification
RoHS 2002/95/EC	Compliant
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system

