Product Specifications

4101403/10 | 2285V WTRL RG11 60 1000

RG 11 Type 60% Braid Plenum Video Coaxial Cable, white jacket, 1000 ft (305 m) reel

Product Classification

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

Construction Materials

Construction Type	Non-armored
Center Conductor Material	Copper-clad steel wire
Dielectric Material	Foam FEP
Shield (Braid) Coverage	60 %
Shield (Braid) Gauge	36 AWG
Shield (Braid) Material	Tinned copper
Shield (Tape) Material	Aluminum/Poly
Jacket Material	PVC

Dimensions

Cable Length	305 m | 1000 ft
Cable Weight	56.00 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	8.407 mm | 0.331 in
Diameter Over Jacket Tolerance	±0.008 in
Diameter Over Shield (Braid)	7.595 mm | 0.299 in
Diameter Over Shield (Tape)	7.214 mm | 0.284 in
Jacket Thickness	0.432 mm | 0.017 in
Jacket Thickness, minimum spot	0.305 mm | 0.012 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)	86 %
Shield dc Resistance	3.50 ohms/kft
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

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Flame Test Method	CMP
Safety Standard	cETL | ETL
UL Temperature Rating	75 °C | 167 °F

General Specifications

Application	Video
Cable Type	Series 11
Jacket Color	White
Product Number	2285V
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 2011/65/EU	Compliant
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system