

4103304/10 | 2287K WHRL RG11 QD 1000



RG 11 Type Quad Shield 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	2287K
Cable Type	Series 11
Center Conductor Type	Solid
Construction Type	Non-armored
Jacket Color	White
Supported Application	Video

Dimensions

Cable Length	304.8 m 1000 ft
Diameter Over Center Conductor, specific	0.0641 in per 1 strand
Diameter Over Dielectric	7.112 mm 0.28 in
Diameter Over Inner Shield (Braid)	7.925 mm 0.312 in
Diameter Over Inner Shield (Tape)	7.112 mm 0.28 in
Diameter Over Jacket, nominal	9.449 mm 0.372 in
Diameter Over Jacket Tolerance	±0.008 in
Diameter Over Outer Shield (Braid)	8.433 mm 0.332 in
Jacket Thickness	0.508 mm 0.02 in
Jacket Thickness, minimum spot	0.406 mm 0.016 in
Center Conductor Gauge	14 AWG
Inner Shield (Braid) Gauge	34 AWG
Outer Shield (Braid) Gauge	34 AWG

Electrical Specifications

Capacitance	52.493 pF/m 16 pF/ft
Characteristic Impedance	75 ohm
Characteristic Impedance Tolerance	±3 ohm
Conductor dc Resistance	36.089 ohms/km 11 ohms/kft
Dielectric Strength, conductor to shield	4000 Vdc
Jacket Spark Test Voltage	2500 Vac
Nominal Velocity of Propagation (NVP)	84 %
Shield dc Resistance	12.795 ohms/km 3.9 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 ft)
1.0	0.15
10.0	0.45
50.0	0.9
100.0	1.28
200.0	1.85
400.0	2.75
700.0	3.92
900.0	4.72
1000.0	5.04
1450.0	6.67
1800.0	7.71
2200.0	8.5
3000.0	9.88

Material Specifications

Center Conductor Material	Copper-clad steel wire
Dielectric Material	Foam FEP
Jacket Material	PVDF
Inner Shield (Braid) Coverage	60 %
Inner Shield (Braid) Material	Aluminum

4103304/10 | 2287K WHRL RG11 QD 1000

Inner Shield (Tape) Material	Aluminum/Poly
Outer Shield (Braid) Coverage	40 %
Outer Shield (Braid) Material	Aluminum
Outer Shield (Tape) Material	Aluminum/Poly, non-bonded

Mechanical Specifications

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

Environmental Specifications

Environmental Space	Plenum
Temperature Rating, UL	125 °C 257 °F
Flame Test Method	CMP
Safety Standard	ETL cETL

Packaging and Weights

Cable weight	93.754 kg/km 63 lb/kft
Packaging Type	Reel

Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

