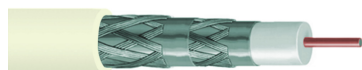


# 4104504/10 | 2227K WTRL RG6 QD 1000



RG 6 Type Quad Shield Plenum Video Coaxial Cable, white jacket, 1000 ft (305 m) reel

## Product Classification

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

## General Specifications

<b>Product Number</b>	2227K
<b>Cable Type</b>	Series 6
<b>Center Conductor Type</b>	Solid
<b>Construction Type</b>	Non-armored
<b>Jacket Color</b>	White
<b>Supported Application</b>	Video

## Dimensions

<b>Cable Length</b>	304.8 m   1000 ft
<b>Diameter Over Center Conductor Tolerance</b>	±0.0004 in
<b>Diameter Over Center Conductor, specific</b>	0.0403 in per 1 strand
<b>Diameter Over Dielectric</b>	4.318 mm   0.17 in
<b>Diameter Over Inner Shield (Braid)</b>	5.131 mm   0.202 in
<b>Diameter Over Jacket Tolerance</b>	±0.004 in
<b>Diameter Over Jacket, nominal</b>	6.604 mm   0.26 in
<b>Diameter Over Outer Shield (Braid)</b>	5.893 mm   0.232 in
<b>Jacket Thickness</b>	0.406 mm   0.016 in
<b>Jacket Thickness, minimum spot</b>	0.33 mm   0.013 in
<b>Center Conductor Gauge</b>	18 AWG
<b>Inner Shield (Braid) Gauge</b>	34 AWG
<b>Outer Shield (Braid) Gauge</b>	34 AWG

## Electrical Specifications

<b>Capacitance</b>	50.853 pF/m   15.5 pF/ft
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<b>Characteristic Impedance</b>	75 ohm
<b>Characteristic Impedance Tolerance</b>	±3 ohm
<b>Conductor dc Resistance</b>	93.832 ohms/km   28.6 ohms/kft
<b>Dielectric Strength, conductor to shield</b>	2500 Vdc
<b>Jacket Spark Test Voltage</b>	2500 Vac
<b>Nominal Velocity of Propagation (NVP)</b>	84 %
<b>Shield dc Resistance</b>	17.388 ohms/km   5.3 ohms/kft
<b>Structural Return Loss</b>	15 dB @ 1000–3000 MHz   20 dB @ 5–1000 MHz
<b>Structural Return Loss Test Method</b>	100% Swept Tested

## Attenuation

<b>Frequency (MHz)</b>	<b>Attenuation (dB/100 m)</b>	<b>Attenuation (dB/100 ft)</b>
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

<b>Center Conductor Material</b>	Copper-clad steel wire
<b>Dielectric Material</b>	Foam FEP
<b>Jacket Material</b>	PVDF
<b>Inner Shield (Braid) Coverage</b>	60 %
<b>Inner Shield (Braid) Material</b>	Aluminum
<b>Inner Shield (Tape) Material</b>	Aluminum/Poly, bonded

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

## Mechanical Specifications

<b>Minimum Bend Radius, loaded, times</b>	20 times
<b>Minimum Bend Radius, unloaded, times</b>	10 times

## Environmental Specifications

<b>Operating Temperature</b>	-40 °C to +125 °C (-40 °F to +257 °F)
<b>Environmental Space</b>	Plenum
<b>Temperature Rating, UL</b>	125 °C   257 °F
<b>Flame Test Method</b>	CMP
<b>Safety Standard</b>	ETL   cETL

## Packaging and Weights

<b>Cable weight</b>	44.645 kg/km   30 lb/kft
<b>Packaging Type</b>	Reel

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
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 <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant

