

# 8720403/10 | 2289K BK RL RG11 TRI 1000

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



**OBSOLETE**

## 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>	2289K
<b>Cable Type</b>	Series 11
<b>Center Conductor Type</b>	Solid
<b>Construction Type</b>	Non-armored
<b>Jacket Color</b>	Black

## Dimensions

<b>Cable Length</b>	304.8 m   1000 ft
<b>Diameter Over Center Conductor, specific</b>	0.0641 in per 1 strand
<b>Diameter Over Dielectric</b>	7.112 mm   0.28 in
<b>Diameter Over Jacket, nominal</b>	9.169 mm   0.361 in
<b>Diameter Over Jacket Tolerance</b>	±0.008 in
<b>Diameter Over Shield (Braid)</b>	8.179 mm   0.322 in
<b>Jacket Thickness</b>	0.508 mm   0.02 in
<b>Jacket Thickness, minimum spot</b>	0.406 mm   0.016 in
<b>Center Conductor Gauge</b>	14 AWG

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**Inner Shield (Braid) Gauge** 34 AWG

## Electrical Specifications

<b>Capacitance</b>	52.493 pF/m   16 pF/ft
<b>Characteristic Impedance</b>	75 ohm
<b>Characteristic Impedance Tolerance</b>	±3 ohm
<b>Conductor dc Resistance</b>	36.089 ohms/km   11 ohms/kft
<b>Dielectric Strength, conductor to shield</b>	4000 Vdc
<b>Jacket Spark Test Voltage</b>	5000 Vac
<b>Nominal Velocity of Propagation (NVP)</b>	84 %
<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

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
1.0	0.49	0.15
10.0	1.48	0.45
50.0	2.95	0.9
100.0	4.2	1.28
200.0	6.07	1.85
400.0	9.02	2.75
700.0	12.86	3.92
900.0	15.48	4.72
1000.0	16.53	5.04
1450.0	21.88	6.67
1800.0	25.29	7.71
2200.0	27.88	8.5
3000.0	32.41	9.88

## 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>	77 %
<b>Inner Shield (Braid) Material</b>	Aluminum

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<b>Inner Shield (Tape) Material</b>	Aluminum/Poly, bonded
<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>	92.266 kg/km   62 lb/kft
<b>Packaging Type</b>	Reel

## Regulatory Compliance/Certifications

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

