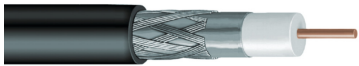


# 826940073/10 | 5729 BKRB RG6 60 1000



RG 6 Type 60% Braid Non-Plenum Coaxial Cable, black jacket, 1000 ft (305 m) box

**OBSOLETE**

## Product Classification

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

## General Specifications

<b>Product Number</b>	5729
<b>Cable Type</b>	Series 6
<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>	0.0403 in per 1 strand
<b>Diameter Over Dielectric</b>	4.572 mm   0.18 in
<b>Diameter Over Dielectric Tolerance</b>	±0.004 in
<b>Diameter Over Jacket, nominal</b>	6.909 mm   0.272 in
<b>Diameter Over Jacket Tolerance</b>	±0.008 in
<b>Diameter Over Shield (Braid)</b>	5.385 mm   0.212 in
<b>Jacket Thickness</b>	0.762 mm   0.03 in
<b>Center Conductor Gauge</b>	18 AWG
<b>Shield (Braid) Gauge</b>	34 AWG

## Electrical Specifications

<b>Capacitance</b>	52.493 pF/m   16 pF/ft
<b>Characteristic Impedance</b>	75 ohm

# 826940073/10 | 5729 BKRB RG6 60 1000

<b>Characteristic Impedance Tolerance</b>	±3 ohm
<b>Conductor dc Resistance</b>	21.325 ohms/km   6.5 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>	82 %
<b>Shield dc Resistance</b>	31.824 ohms/km   9.7 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	0.82	0.25
10.0	2.16	0.66
50.0	4.62	1.41
100.0	6.3	1.92
200.0	8.66	2.64
400.0	12.23	3.73
700.0	16.56	5.05
900.0	18.99	5.79
1000.0	20.04	6.11
1200.0	22.07	6.73
1450.0	24.57	7.49
1800.0	27.65	8.43
2200.0	30.67	9.35
2500.0	32.7	9.97
3000.0	35.82	10.92

## Material Specifications

<b>Center Conductor Material</b>	Bare copper
<b>Dielectric Material</b>	Foam PE
<b>Jacket Material</b>	PVC
<b>Shield (Braid) Coverage</b>	60 %
<b>Shield (Braid) Material</b>	Aluminum
<b>Shield (Tape) Material</b>	Aluminum/Poly, 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 +75 °C (-40 °F to +167 °F)
<b>Environmental Space</b>	Non-plenum
<b>Temperature Rating, UL</b>	75 °C   167 °F
<b>Flame Test Method</b>	CM
<b>Safety Standard</b>	ETL   cETL

## Packaging and Weights

<b>Cable weight</b>	41.669 kg/km   28 lb/kft
<b>Packaging Type</b>	Reel in box

## Regulatory Compliance/Certifications

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

