



826940073/10 | 5729 BKRB RG6 60 1000

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

## Product Classification

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

## Construction Materials

Construction Type	Non-armored
Center Conductor Material	Bare copper
Dielectric Material	Foam PE
Shield (Braid) Coverage	60 %
Shield (Braid) Gauge	34 AWG
Shield (Braid) Material	Aluminum
Shield (Tape) Material	Aluminum/Poly, bonded
Jacket Material	PVC

## Dimensions

Cable Length	305 m   1000 ft
Cable Weight	28.00 lb/kft
Diameter Over Center Conductor	1.0236 mm per 1 strand 0.0403 in per 1 strand
Diameter Over Dielectric	4.5720 mm   0.1800 in
Diameter Over Dielectric Tolerance	±0.004 in
Diameter Over Jacket	6.909 mm   0.272 in
Diameter Over Jacket Tolerance	±0.008 in
Diameter Over Shield (Braid)	5.385 mm   0.212 in
Jacket Thickness	0.762 mm   0.030 in

## Electrical Specifications

Capacitance	52.5 pF/m   16.0 pF/ft
Characteristic Impedance	75 ohm
Characteristic Impedance Tolerance	±3 ohm
Conductor dc Resistance	6.50 ohms/kft
Dielectric Strength, conductor to shield	2500 Vdc
Jacket Spark Test Voltage	2500 Vac
Nominal Velocity of Propagation (NVP)	82 %
Shield dc Resistance	9.70 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	Non-plenum
Flame Test Method	CM

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Operating Temperature	-40 °C to +75 °C (-40 °F to +167 °F)
Safety Standard	cETL   ETL
UL Temperature Rating	75 °C   167 °F

## General Specifications

Cable Type	Series 6
Jacket Color	Black
Product Number	5729
Center Conductor Gauge	18 AWG
Center Conductor Type	Solid
Packaging Type	Reel in box

## 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	0.82	0.25
10 MHz	2.16	0.66
50 MHz	4.62	1.41
100 MHz	6.30	1.92
200 MHz	8.66	2.64
400 MHz	12.23	3.73
700 MHz	16.56	5.05
900 MHz	18.99	5.79
1000 MHz	20.04	6.11
1200 MHz	22.07	6.73
1450 MHz	24.57	7.49
1800 MHz	27.65	8.43
2200 MHz	30.67	9.35
2500 MHz	32.70	9.97
3000 MHz	35.82	10.92

## Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system

