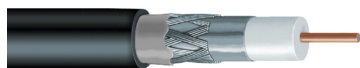


# 4685203/10 | 5738 BKRL RG6 60 OSP 1000



RG 6 Type 60% Braid Buried Satellite 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 satellite cable

## General Specifications

<b>Product Number</b>	5738
<b>Cable Type</b>	Series 6
<b>Center Conductor Type</b>	Solid
<b>Construction Type</b>	Non-armored
<b>Jacket Color</b>	Black
<b>Supported Application</b>	Satellite

## 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>Jacket Thickness, minimum spot</b>	0.61 mm   0.024 in
<b>Center Conductor Gauge</b>	18 AWG
<b>Shield (Braid) Gauge</b>	34 AWG

## Electrical Specifications

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<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>	93.832 ohms/km   28.6 ohms/kft
<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

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
5.0	2.032	0.619
50.0	4.62	1.41
55.0	4.825	1.47
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>	Copper-clad steel wire
<b>Dielectric Material</b>	Foam PE
<b>Jacket Material</b>	PE
<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>Corrosion Protection</b>	Water blocking gel
<b>Environmental Space</b>	Buried

## Packaging and Weights

<b>Cable weight</b>	41.669 kg/km   28 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

