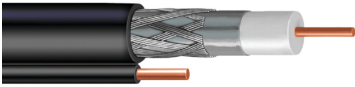


8246103/10 | 5731 BKRL RG6 60/17AWG 1000



RG 6 Type 60% Braid w/ 17 Awg Gnd Non-Plenum Coaxial Cable, black jacket, 1000 ft (305 m) reel

OBSOLETE

Product Classification

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

General Specifications

Product Number	5731
Cable Type	Series 6
Center Conductor Type	Solid
Construction Type	Non-armored
Jacket Color	Black

Dimensions

Overall Cable Width	10.338 mm 0.407 in
Cable Length	304.8 m 1000 ft
Diameter Over Center Conductor, specific	0.0403 in per 1 strand
Diameter Over Dielectric	4.572 mm 0.18 in
Diameter Over Dielectric Tolerance	±0.004 in
Diameter Over Ground Wire	1.143 mm 0.045 in
Diameter Over Shield (Braid)	5.385 mm 0.212 in
Center Conductor Gauge	18 AWG
Ground Wire Gauge	17 AWG
Shield (Braid) Gauge	34 AWG

Dimensions, Coaxial

Jacket Thickness	0.762 mm 0.03 in
Jacket Thickness, minimum spot	0.61 mm 0.024 in

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Diameter Over Jacket 6.909 mm | 0.272 in

Diameter Over Jacket Tolerance ±0.008 in

Dimensions, Ground

Diameter Over Jacket 2.667 mm | 0.105 in

Jacket Thickness 0.762 mm | 0.03 in

Electrical Specifications

Capacitance 52.493 pF/m | 16 pF/ft

Characteristic Impedance 75 ohm

Characteristic Impedance Tolerance ±3 ohm

Conductor dc Resistance 93.832 ohms/km | 28.6 ohms/kft

Dielectric Strength, conductor to shield 2500 Vdc

Jacket Spark Test Voltage 2500 Vac

Nominal Velocity of Propagation (NVP) 82 %

Shield dc Resistance 31.824 ohms/km | 9.7 ohms/kft

Structural Return Loss 15 dB @ 1000–3000 MHz | 20 dB @ 5–1000 MHz

Structural Return Loss Test Method 100% Swept Tested

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
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

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3000.0

35.82

10.92

Material Specifications

Center Conductor Material	Bare copper
Dielectric Material	Foam PE
Ground Wire Material	Copper-clad steel wire
Jacket Material	PVC
Shield (Braid) Coverage	60 %
Shield (Braid) Material	Aluminum
Shield (Tape) Material	Aluminum/Poly, bonded

Mechanical Specifications

Minimum Bend Radius, loaded, times	20 times
Minimum Bend Radius, unloaded, times	10 times

Environmental Specifications

Operating Temperature	-40 °C to +75 °C (-40 °F to +167 °F)
Environmental Space	Non-plenum
Temperature Rating, UL	75 °C 167 °F
Flame Test Method	CM
Safety Standard	ETL cETL

Packaging and Weights

Cable weight	58.038 kg/km 39 lb/kft
Packaging Type	Reel

Regulatory Compliance/Certifications

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

