



4243503/10 | 5789 BKRL 2-RG6  
OSP/17AWG 1000

**Dual RG 6 Type 60% Braid w/ 17 Awg Gnd Outside Coaxial Cable, black jacket, 1000 ft (305 m) reel**

## Construction Materials

Construction Type	Non-armored
Center Conductor Material	Copper-clad steel wire
Corrosion Protection	Water blocking gel
Dielectric Material	Foam PE
Ground Wire Material	Copper-clad steel wire
Jacket Material	PE
Shield (Braid) Coverage	60 %
Shield (Braid) Gauge	34 AWG
Shield (Braid) Material	Aluminum
Shield (Tape) Material	Aluminum/Poly, bonded

## Dimensions

Cable Length	305 m   1000 ft
Cable Weight	68.00 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 Ground Wire	1.151 mm   0.045 in
Diameter Over Shield (Braid)	5.385 mm   0.212 in
Overall Cable Width	18.542 mm   0.730 in

## Dimensions, Coaxial

Diameter Over Jacket	6.909 mm   0.272 in
Diameter Over Jacket Tolerance	±0.008 in
Jacket Thickness	0.762 mm   0.030 in
Jacket Thickness, minimum spot	0.610 mm   0.024 in

## Dimensions, Ground

Diameter Over Jacket	2.667 mm   0.105 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	28.60 ohms/kft

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Dielectric Strength, conductor to shield	2500 Vdc
Jacket Spark Test Voltage	4000 Vac
Nominal Velocity of Propagation (NVP)	82 %
Shield dc Resistance	9.70 ohms/kft
Structural Return Loss	15 dB @ 2200–3000 MHz   20 dB @ 5–2200 MHz
Structural Return Loss Test Method	100% Swept Tested

## Environmental Specifications

Environmental Space	Buried
Operating Temperature	-40 °C to +75 °C (-40 °F to +167 °F)
Safety Standard	cETL   ETL
UL Temperature Rating	60 °C   140 °F

## General Specifications

Cable Type	Series 6
Jacket Color	Black
Product Number	5789
Center Conductor Gauge	18 AWG
Center Conductor Type	Solid
Ground Wire Gauge	17 AWG
Packaging Type	Reel

## 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	1.21	0.37
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 2002/95/EC	Compliant
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system

# Product Specifications

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