



4638903/10 | 5916R GYRL RG11 60 1000

**RG 11 Type 60% Braid Non-Plenum Satellite Coaxial Cable CMR, gray jacket, 1000 ft.  
(305 m) reel**

## Construction Materials

Construction Type	Non-armored
Center Conductor Material	Copper-clad steel wire
Dielectric Material	Foam PE
Jacket Material	PVC
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	57.00 lb/kft
Diameter Over Center Conductor	1.6281 mm per 1 strand 0.0641 in per 1 strand
Diameter Over Dielectric	7.1120 mm   0.2800 in
Diameter Over Dielectric Tolerance	±0.004 in
Diameter Over Jacket	10.033 mm   0.395 in
Diameter Over Jacket Tolerance	±0.006 in
Diameter Over Shield (Braid)	7.899 mm   0.311 in
Jacket Thickness	1.016 mm   0.040 in
Jacket Thickness, minimum spot	0.787 mm   0.031 in

## Electrical Specifications

Capacitance	52.5 pF/m   16.0 pF/ft
Characteristic Impedance	75 ohm
Characteristic Impedance Tolerance	±3 ohm
Conductor dc Resistance	11.00 ohms/kft
Dielectric Strength, conductor to shield	4000 Vdc
Jacket Spark Test Voltage	5000 Vac
Nominal Velocity of Propagation (NVP)	82 %
Shield dc Resistance	6.90 ohms/kft
Structural Return Loss	15 dB @ 2200–3000 MHz   18 dB @ 1000–2200 MHz   20 dB @ 5–1000 MHz
Structural Return Loss Test Method	100% Swept Tested

## Environmental Specifications

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

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UL Temperature Rating 60 °C | 140 °F

## General Specifications

Application	Satellite
Cable Type	Series 11
Jacket Color	Gray
Product Number	5916R
Center Conductor Gauge	14 AWG
Center Conductor Type	Solid
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	0.56	0.17
10 MHz	1.48	0.45
50 MHz	2.92	0.89
100 MHz	3.97	1.21
200 MHz	5.51	1.68
400 MHz	7.77	2.37
700 MHz	10.73	3.27
900 MHz	12.37	3.77
1000 MHz	12.96	3.95
1200 MHz	14.63	4.46
1450 MHz	16.66	5.08
1800 MHz	18.30	5.58
2200 MHz	20.63	6.29
2500 MHz	22.27	6.79
3000 MHz	24.86	7.58

## Regulatory Compliance/Certifications

Agency	Classification
RoHS 2002/95/EC	Compliant
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system

