



4638603/10 | 5917 WTRL RG11 60 OSP
1000

RG 11 Type 60% Braid Buried Satellite Coaxial Cable, white 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
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	48.00 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 Jacket	10.033 mm 0.395 in
Diameter Over Jacket Tolerance	±0.006 in
Diameter Over Shield (Tape)	7.925 mm 0.312 in
Jacket Thickness	1.016 mm 0.040 in
Jacket Thickness, minimum spot	0.813 mm 0.032 in

Electrical Specifications

Capacitance	53.1 pF/m 16.2 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	4000 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	Buried
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General Specifications

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Application	Satellite
Cable Type	Series 11
Jacket Color	White
Product Number	5917
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 ft)
1 MHz	0.17
10 MHz	0.45
50 MHz	0.89
100 MHz	1.21
200 MHz	1.68
400 MHz	2.37
700 MHz	3.27
900 MHz	3.77
1000 MHz	3.95
1200 MHz	4.46
1450 MHz	5.08
1800 MHz	5.58
2200 MHz	6.29
2500 MHz	6.79
3000 MHz	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

