



8261303/10 | 5571 WHRL RG59 40 1000 RG 59 Type 40% Braid Non-Plenum Coaxial Cable, white 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	40 %
Shield (Braid) Gauge	34 AWG
Shield (Braid) Material	Aluminum
Shield (Tape) Material	Aluminum/Poly, bonded

Dimensions

Cable Length	305 m 1000 ft
Cable Weight	23.00 lb/kft
Diameter Over Center Conductor	0.8128 mm per 1 strand 0.0320 in per 1 strand
Diameter Over Dielectric	3.6576 mm 0.1440 in
Diameter Over Dielectric Tolerance	±0.004 in
Diameter Over Jacket	6.147 mm 0.242 in
Diameter Over Jacket Tolerance	±0.004 in
Diameter Over Shield (Braid)	4.521 mm 0.178 in
Jacket Thickness	0.813 mm 0.032 in
Jacket Thickness, minimum spot	0.635 mm 0.025 in

Electrical Specifications

Capacitance	54.8 pF/m 16.7 pF/ft
Characteristic Impedance	75 ohm
Characteristic Impedance Tolerance	±3 ohm
Conductor dc Resistance	48.20 ohms/kft
Dielectric Strength, conductor to shield	2500 Vdc
Jacket Spark Test Voltage	4000 Vac
Nominal Velocity of Propagation (NVP)	82 %
Shield dc Resistance	14.90 ohms/kft
Structural Return Loss	20 dB @ 5–450 MHz
Structural Return Loss Test Method	100% Swept Tested

Environmental Specifications

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

General Specifications

Cable Type	Series 59
Jacket Color	White
Product Number	5571
Center Conductor Gauge	20 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	1.90	0.58
10 MHz	2.92	0.89
50 MHz	5.94	1.81
100 MHz	8.13	2.48
200 MHz	11.25	3.43
400 MHz	16.01	4.88
700 MHz	21.52	6.56
900 MHz	24.53	7.48
1000 MHz	25.94	7.91

Regulatory Compliance/Certifications

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

