



4138803/10 | 2065K RDRL RG59 96 1000
RG 59 Type 95% Braid Plenum BroadCast Coaxial Cable, red jacket 1000 ft (305 m) reel

Construction Materials

Construction Type	Non-armored
Center Conductor Material	Bare copper
Dielectric Material	Foam FEP
Jacket Material	PVDF
Shield (Braid) Coverage	96 %
Shield (Braid) Gauge	34 AWG
Shield (Braid) Material	Tinned copper
Shield (Tape) Material	Aluminum/Poly, bonded

Dimensions

Cable Length	305 m 1000 ft
Cable Weight	32.00 lb/kft
Diameter Over Center Conductor	0.8128 mm per 1 strand 0.0320 in per 1 strand
Diameter Over Dielectric	3.4290 mm 0.1350 in
Diameter Over Jacket	5.258 mm 0.207 in
Diameter Over Jacket Tolerance	±0.002 in
Diameter Over Shield (Braid)	4.318 mm 0.170 in
Jacket Thickness	0.406 mm 0.016 in
Jacket Thickness, minimum spot	0.305 mm 0.012 in

Electrical Specifications

Capacitance	52.8 pF/m 16.1 pF/ft
Characteristic Impedance	75 ohm
Characteristic Impedance Tolerance	±3 ohm
Conductor dc Resistance	10.50 ohms/kft
Dielectric Strength, conductor to shield	2500 Vdc
Jacket Spark Test Voltage	2500 Vac
Nominal Velocity of Propagation (NVP)	84 %
Shield dc Resistance	3.20 ohms/kft
Structural Return Loss	15 dB @ 450–2400 MHz 23 dB @ 5–450 MHz
Structural Return Loss Test Method	100% Swept Tested

Environmental Specifications

Environmental Space	Plenum
Flame Test Method	CMP
Operating Temperature	-40 °C to +125 °C (-40 °F to +257 °F)
Safety Standard	cETL ETL
UL Temperature Rating	125 °C 257 °F

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General Specifications

Cable Type	Series 59
Jacket Color	Red
Product Number	2065K
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	0.98	0.30
3.6 MHz	1.77	0.54
10 MHz	2.89	0.88
71.5 MHz	7.08	2.16
135 MHz	9.51	2.90
270 MHz	13.64	4.16
360 MHz	16.33	4.98
720 MHz	24.96	7.61
1000 MHz	30.54	9.31
1200 MHz	34.01	10.37
1450 MHz	38.38	11.70
1800 MHz	43.53	13.27
2500 MHz	53.07	16.18
3000 MHz	59.83	18.24

Regulatory Compliance/Certifications

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

