

8836303/10 | 5553 BKRL RG59 95 1000



RG 59 Type 95% Braid Non-Plenum Video Security Coaxial Cable, black jacket, 1000 ft (305 m) reel

OBSOLETE

Product Classification

Regional Availability	Asia Australia/New Zealand EMEA Latin America North America
Portfolio	CommScope®
Product Type	Coaxial video cable

General Specifications

Product Number	5553
Cable Type	Series 59
Center Conductor Type	Solid
Construction Type	Non-armored
Jacket Color	Black
Supported Application	Security/CCTV

Dimensions

Cable Length	1000 ft 304.8 m
Diameter Over Dielectric	0.144 in 3.658 mm
Diameter Over Jacket, nominal	0.242 in 6.147 mm
Diameter Over Jacket Tolerance	±0.008 in
Diameter Over Shield (Braid)	0.166 in 4.216 mm
Jacket Thickness	0.035 in 0.889 mm
Jacket Thickness, minimum spot	0.026 in 0.66 mm
Center Conductor Gauge	20 AWG
Shield (Braid) Gauge	36 AWG

Electrical Specifications

Capacitance	53.15 pF/m 16.2 pF/ft
Characteristic Impedance	75 ohm

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Characteristic Impedance Tolerance	±3 ohm
Conductor dc Resistance	34.449 ohms/km 10.5 ohms/kft
Dielectric Strength, conductor to shield	2500 Vdc
Jacket Spark Test Voltage	2500 Vac
Nominal Velocity of Propagation (NVP)	81 %
Shield dc Resistance	11.811 ohms/km 3.6 ohms/kft
Structural Return Loss	20 dB @ 10–300 MHz
Structural Return Loss Test Method	100% Swept Tested

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
1.0	0.98	0.3
10.0	2.76	0.84
50.0	6.17	1.88
100.0	8.89	2.71
200.0	12.92	3.94
400.0	19.19	5.85
700.0	27.62	8.42
900.0	32.24	9.83
1000.0	33.46	10.2

Material Specifications

Center Conductor Material	Bare copper
Dielectric Material	Foam PE
Jacket Material	PVC
Shield (Braid) Coverage	92 %
Shield (Braid) Material	Bare copper

Mechanical Specifications

Minimum Bend Radius, loaded, times	20 times
Minimum Bend Radius, unloaded, times	10 times

Environmental Specifications

Environmental Space	Non-plenum
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Temperature Rating, UL	60 °C 140 °F
Flame Test Method	CM
Safety Standard	ETL cETL

Packaging and Weights

Cable weight	31 lb/kft 46.133 kg/km
Packaging Type	Reel

Regulatory Compliance/Certifications

Agency

CHINA-ROHS

ISO 9001:2015

REACH-SVHC

ROHS

Classification

Below maximum concentration value

Designed, manufactured and/or distributed under this quality management system

Compliant as per SVHC revision on www.commscope.com/ProductCompliance

Compliant

