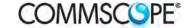
Product Specifications





8223504/10 | 5781 BKRL RG6 QD 1000

RG 6 Type Quad Shield Non-Plenum Satellite Coaxial Cable, black jacket, 1000 ft (305 m) reel

Construction Materials

Construction Type

Center Conductor Material

Dielectric Material

Inner Shield (Braid) Coverage

Inner Shield (Braid) Material

Inner Shield (Braid) Material

Inner Shield (Tape) Material

Outer Shield (Braid) Coverage

Non-armored

Bare copper

Foam PE

60 %

34 AWG

Aluminum

Aluminum

Aluminum/Poly

Outer Shield (Braid) Coverage

40 %

Outer Shield (Braid) Coverage 40 %
Outer Shield (Braid) Gauge 34 AWG
Outer Shield (Braid) Material Aluminum

Outer Shield (Tape) Material Aluminum/Poly, non-bonded

Jacket Material PVC

Dimensions

Cable Length 305 m | 1000 ft
Cable Weight 34.00 lb/kft

Diameter Over Center Conductor 1.0236 mm per 1 strand 0.0403 in per 1 strand

Diameter Over Dielectric 4.5720 mm | 0.1800 in Diameter Over Jacket 7.620 mm | 0.300 in

Diameter Over Jacket Tolerance ±0.008 in

Jacket Thickness0.864 mm0.034 inJacket Thickness, minimum spot0.610 mm0.024 inDiameter Over Inner Shield (Braid)5.385 mm0.212 inDiameter Over Outer Shield (Braid)5.893 mm0.232 in

Electrical Specifications

Capacitance 52.5 pF/m | 16.0 pF/ft

Characteristic Impedance 75 ohm
Characteristic Impedance Tolerance ±3 ohm
Conductor dc Resistance 6.50 ohms/kft
Dielectric Strength, conductor to shield 2500 Vdc
Jacket Spark Test Voltage 2500 Vac
Nominal Velocity of Propagation (NVP) 84 %

Shield dc Resistance 4.90 ohms/kft

Structural Return Loss 15 dB @ 1000-3000 MHz | 20 dB @ 5-1000 MHz

Structural Return Loss Test Method 100% Swept Tested

Environmental Specifications

Environmental Space Non-plenum

Flame Test Method CMG

Safety Standard CETL | ETL

Product Specifications



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UL Temperature Rating 75 °C | 167 °F

General Specifications

Application Satellite
Cable Type Series 6
Jacket Color Black
Product Number 5781
Center Conductor Gauge 18 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	0.25	
10 MHz	0.66	
50 MHz	1.41	
100 MHz	1.92	
200 MHz	2.64	
400 MHz	3.73	
700 MHz	5.05	
900 MHz	5.79	
1000 MHz	6.11	
1200 MHz	6.73	
1450 MHz	7.49	
1800 MHz	8.43	
2200 MHz	9.35	
2500 MHz	9.97	
3000 MHz	10.92	

Regulatory Compliance/Certifications

AgencyRoHS 2011/65/EU

Compliant

ISO 9001:2008 Designed, manufactured and/or distributed under this quality management system

