



8820904/10 | 5703 BKRL RG6 QD/2-22
1000

Siamese RG 6 Type Quad Shield w/ 2 pr 22 Awg Non-Plenum Coaxial Cable, black jacket, 1000 ft (305 m) reel

Construction Materials

Construction Type	Non-armored
Center Conductor Material	Copper-clad steel wire
Conductor Material	Bare copper
Dielectric Material	Foam PE
Inner Shield (Braid) Coverage	60 %
Inner Shield (Braid) Gauge	34 AWG
Inner Shield (Braid) Material	Aluminum
Inner Shield (Tape) Material	Aluminum/Poly, bonded
Insulation Material, singles	PE
Jacket Material	PVC
Outer Shield (Braid) Coverage	40 %
Outer Shield (Braid) Gauge	34 AWG
Outer Shield (Braid) Material	Aluminum
Outer Shield (Tape) Material	Aluminum/Poly, non-bonded
Ripcord Material	Polypropylene

Dimensions

Cable Length	305 m 1000 ft
Cable Weight	53.00 lb/kft
Diameter Over Center Conductor	1.0236 mm per 1 strand 0.0403 in per 1 strand
Diameter Over Conductor, singles	0.6452 mm per 1 strand 0.0254 in per 1 strand
Diameter Over Dielectric	4.5720 mm 0.1800 in
Diameter Over Dielectric Tolerance	±0.004 in
Diameter Over Insulated Single	1.143 mm 0.045 in
Insulation Thickness, singles	0.254 mm 0.010 in
Overall Cable Width	13.894 mm 0.547 in
Diameter Over Outer Shield (Braid)	5.893 mm 0.232 in

Dimensions, Coaxial

Diameter Over Jacket	7.620 mm 0.300 in
Diameter Over Jacket Tolerance	±0.008 in
Jacket Thickness	0.864 mm 0.034 in
Jacket Thickness, minimum spot	0.635 mm 0.025 in

Dimensions, Pair

Diameter Over Jacket	5.512 mm 0.217 in
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Electrical Specifications

Capacitance	52.5 pF/m 16.0 pF/ft
Characteristic Impedance	75 ohm
Characteristic Impedance Tolerance	±3 ohm
Conductor dc Resistance	28.60 ohms/kft
Jacket Spark Test Voltage	2500 Vac
Nominal Velocity of Propagation (NVP)	82 %
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	CM CMH
Operating Temperature	-40 °C to +75 °C (-40 °F to +167 °F)
Safety Standard	cETL ETL
UL Temperature Rating	60 °C 140 °F

General Specifications

Cable Type	Series 6
Jacket Color	Black
Product Number	5703
Center Conductor Gauge	18 AWG
Center Conductor Type	Solid
Conductor Gauge, singles	22 AWG
Conductor Type, singles	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	1.21	0.37
10 MHz	2.16	0.66
50 MHz	4.62	1.41
100 MHz	6.30	1.92
200 MHz	8.66	2.64
400 MHz	12.23	3.73
700 MHz	16.56	5.05
900 MHz	18.99	5.79
1000 MHz	20.04	6.11
1200 MHz	22.07	6.73
1450 MHz	24.57	7.49
1800 MHz	27.65	8.43

Product Specifications



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2200 MHz	30.67	9.35
2500 MHz	32.70	9.97
3000 MHz	35.82	10.92

Regulatory Compliance/Certifications

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

