



8820704/10 | 5940R BKRL RG11 QD 1000

RG 11 Type Quad Shield Non-Plenum Satellite Coaxial Cable CMR, black jacket, 1000 ft. (305 m) reel

Construction Materials

Construction Type	Non-armored
Center Conductor Material	Copper-clad steel wire
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
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	60.00 lb/kft
Diameter Over Center Conductor	1.6281 mm per 1 strand 0.0641 in per 1 strand
Diameter Over Dielectric	7.1120 mm 0.2800 in
Diameter Over Dielectric Tolerance	±0.004 in
Diameter Over Jacket	10.211 mm 0.402 in
Diameter Over Jacket Tolerance	±0.005 in
Jacket Thickness	0.889 mm 0.035 in
Jacket Thickness, minimum spot	0.711 mm 0.028 in
Diameter Over Outer Shield (Braid)	8.433 mm 0.332 in

Electrical Specifications

Capacitance	52.5 pF/m 16.0 pF/ft
Characteristic Impedance	75 ohm
Characteristic Impedance Tolerance	±3 ohm
Conductor dc Resistance	11.00 ohms/kft
Dielectric Strength, conductor to shield	4000 Vdc
Jacket Spark Test Voltage	5000 Vac
Nominal Velocity of Propagation (NVP)	82 %
Shield dc Resistance	3.70 ohms/kft
Structural Return Loss	15 dB @ 1000–3000 MHz 20 dB @ 450–1000 MHz 22 dB @ 5–450 MHz
Structural Return Loss Test Method	100% Swept Tested

Environmental Specifications

Environmental Space	Non-plenum
Flame Test Method	CMR
Operating Temperature	-40 °C to +75 °C (-40 °F to +167 °F)

Product Specifications



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Safety Standard	cETL ETL
UL Temperature Rating	60 °C 140 °F

General Specifications

Application	Satellite
Cable Type	Series 11
Jacket Color	Black
Product Number	5940R
Center Conductor Gauge	14 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	0.56	0.17
10 MHz	1.48	0.45
50 MHz	2.92	0.89
100 MHz	3.97	1.21
200 MHz	5.51	1.68
400 MHz	7.77	2.37
700 MHz	10.73	3.27
900 MHz	12.37	3.77
1000 MHz	12.96	3.95
1200 MHz	14.63	4.46
1450 MHz	16.66	5.08
1800 MHz	18.30	5.58
2200 MHz	20.63	6.29
2500 MHz	22.27	6.79
3000 MHz	24.86	7.58

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system

