

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

OBSOLETE

Product Classification

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

General Specifications

Product Number	5940R
Cable Type	Series 11
Center Conductor Type	Solid
Construction Type	Non-armored
Jacket Color	Black
Supported Application	Satellite

Dimensions

Cable Length	304.8 m 1000 ft
Diameter Over Center Conductor, specific	0.0641 in per 1 strand
Diameter Over Dielectric	7.112 mm 0.28 in
Diameter Over Dielectric Tolerance	±0.004 in
Diameter Over Jacket, nominal	10.211 mm 0.402 in
Diameter Over Jacket Tolerance	±0.005 in
Diameter Over Outer Shield (Braid)	8.433 mm 0.332 in
Jacket Thickness	0.889 mm 0.035 in
Jacket Thickness, minimum spot	0.711 mm 0.028 in
Center Conductor Gauge	14 AWG
Inner Shield (Braid) Gauge	34 AWG
Outer Shield (Braid) Gauge	34 AWG

8820704/10 | 5940R BKRL RG11 QD 1000

Electrical Specifications

Capacitance	52.493 pF/m 16 pF/ft
Characteristic Impedance	75 ohm
Characteristic Impedance Tolerance	±3 ohm
Conductor dc Resistance	36.089 ohms/km 11 ohms/kft
Dielectric Strength, conductor to shield	4000 Vdc
Jacket Spark Test Voltage	5000 Vac
Nominal Velocity of Propagation (NVP)	82 %
Shield dc Resistance	12.139 ohms/km 3.7 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

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
1.0	0.56	0.17
10.0	1.48	0.45
50.0	2.92	0.89
100.0	3.97	1.21
200.0	5.51	1.68
400.0	7.77	2.37
700.0	10.73	3.27
900.0	12.37	3.77
1000.0	12.96	3.95
1200.0	14.63	4.46
1450.0	16.66	5.08
1800.0	18.3	5.58
2200.0	20.63	6.29
2500.0	22.27	6.79
3000.0	24.86	7.58

Material Specifications

Center Conductor Material	Copper-clad steel wire
Dielectric Material	Foam PE
Jacket Material	PVC

8820704/10 | 5940R BKRL RG11 QD 1000

Inner Shield (Braid) Coverage	60 %
Inner Shield (Braid) Material	Aluminum
Inner Shield (Tape) Material	Aluminum/Poly, bonded
Outer Shield (Braid) Coverage	40 %
Outer Shield (Braid) Material	Aluminum
Outer Shield (Tape) Material	Aluminum/Poly, non-bonded

Mechanical Specifications

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

Environmental Specifications

Operating Temperature	-40 °C to +75 °C (-40 °F to +167 °F)
Environmental Space	Non-plenum
Temperature Rating, UL	60 °C 140 °F
Flame Test Method	CMR
Safety Standard	ETL cETL

Packaging and Weights

Cable weight	89.29 kg/km 60 lb/kft
Packaging Type	Reel

Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant

