

7413004/10 | 5940 BKRL RG11 QD 1000



RG 11 Type Quad Shield Non-Plenum Video 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	5940
Cable Type	Series 11
Center Conductor Type	Solid
Construction Type	Non-armored
Jacket Color	Black
Supported Application	Video

Dimensions

Cable Length	1000 ft 304.8 m
Diameter Over Center Conductor, specific	0.0641 in per 1 strand
Diameter Over Dielectric	0.28 in 7.112 mm
Diameter Over Inner Shield (Braid)	0.311 in 7.899 mm
Diameter Over Jacket, nominal	0.405 in 10.287 mm
Diameter Over Jacket Tolerance	±0.010 mm
Diameter Over Outer Shield (Braid)	0.332 in 8.433 mm
Jacket Thickness	0.035 in 0.889 mm
Jacket Thickness, minimum spot	0.028 in 0.711 mm
Center Conductor Gauge	14 AWG
Inner Shield (Braid) Gauge	34 AWG
Outer Shield (Braid) Gauge	34 AWG

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Electrical Specifications

Capacitance	16 pF/ft 52.493 pF/m
Characteristic Impedance	75 ohm
Characteristic Impedance Tolerance	±3 ohm
Conductor dc Resistance	11 ohms/kft 36.089 ohms/km
Dielectric Strength, conductor to shield	4000 Vdc
Jacket Spark Test Voltage	5000 Vac
Nominal Velocity of Propagation (NVP)	84 %
Shield dc Resistance	3.7 ohms/kft 12.139 ohms/km
Structural Return Loss	15 dB @ 1000–3000 MHz 20 dB @ 450–1000 MHz 22 dB @ 1–450 MHz
Structural Return Loss Test Method	100% Swept Tested

Attenuation

Frequency (MHz)	Attenuation (dB/100 ft)
1.0	0.17
10.0	0.45
50.0	0.89
100.0	1.21
200.0	1.68
400.0	2.37
700.0	3.27
900.0	3.77
1000.0	3.95
1200.0	4.46
1450.0	5.08
1800.0	5.58
2200.0	6.29
2500.0	6.79
3000.0	7.58

Material Specifications

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

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Inner Shield (Braid) Coverage	60 %
Inner Shield (Braid) Material	Aluminum
Inner Shield (Tape) Material	Aluminum/Poly
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

Environmental Space	Non-plenum
Temperature Rating, UL	75 °C 167 °F
Flame Test Method	CM
Safety Standard	ETL cETL

Packaging and Weights

Cable weight	59 lb/kft 87.802 kg/km
Packaging Type	Reel

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
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

