

This specification is OBSOLETE



4681803/10 | 5902 BKRL 2-RG11 60 1000

Dual RG 11 Type 60% Braid Non-Plenum Coaxial Cable, black jacket, 1000 ft (305 m) reel

Construction Materials

Construction Type	Non-armored
Center Conductor Material	Bare copper
Dielectric Material	Foam PE
Shield (Braid) Coverage	61 %
Shield (Braid) Gauge	34 AWG
Shield (Braid) Material	Tinned copper
Shield (Tape) Material	Aluminum/Poly
Jacket Material	PVC

Dimensions

Cable Length	305 m 1000 ft
Cable Weight	127.00 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 Shield (Braid)	7.899 mm 0.311 in
Jacket Thickness	1.016 mm 0.040 in
Jacket Thickness, minimum spot	0.787 mm 0.031 in
Overall Cable Width	21.082 mm 0.830 in

Dimensions, Coaxial

Diameter Over Jacket	10.033 mm 0.395 in
Diameter Over Jacket Tolerance	±0.006 in
Jacket Thickness	1.067 mm 0.042 in
Jacket Thickness, minimum spot	0.737 mm 0.029 in

Electrical Specifications

Capacitance	52.5 pF/m 16.0 pF/ft
Characteristic Impedance	75 ohm
Characteristic Impedance Tolerance	±3 ohm
Conductor dc Resistance	2.60 ohms/kft
Dielectric Strength, conductor to shield	4000 Vdc
Jacket Spark Test Voltage	5000 Vac
Nominal Velocity of Propagation (NVP)	82 %
Structural Return Loss	15 dB @ 2200–3000 MHz 20 dB @ 5–2200 MHz
Structural Return Loss Test Method	100% Swept Tested

Environmental Specifications

Product Specifications



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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 11
Jacket Color	Black
Product Number	5902
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	0.33	0.10
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

