

# 4672004/10 | UH68120 BLRL QD6/CAT6 1000

Siamese RG 6 Type Quad Shield w/ Category 6 Twisted Pair Non-Plenum Cable, blue jacket, 1000 ft (305 m) reel



## Product Classification

<b>Regional Availability</b>	Asia   Australia/New Zealand   EMEA   Latin America   North America
<b>Portfolio</b>	CommScope®
<b>Product Type</b>	Hybrid cable, coax and twisted pair
<b>Product Brand</b>	UltraHome®

## General Specifications

<b>Product Number</b>	UH68120
<b>ANSI/TIA Category</b>	6
<b>Cable Type</b>	Hybrid
<b>Center Conductor Type</b>	Solid
<b>Construction Type</b>	Non-armored
<b>Jacket Color</b>	Blue

## Dimensions

<b>Overall Cable Width</b>	14.529 mm   0.572 in
<b>Cable Length</b>	304.8 m   1000 ft
<b>Diameter Over Center Conductor Tolerance</b>	±0.0004 in
<b>Diameter Over Center Conductor, specific</b>	0.0403 in per 1 strand
<b>Diameter Over Conductor, singles, specific</b>	0.0254 in per 1 strand
<b>Diameter Over Dielectric</b>	4.572 mm   0.18 in
<b>Diameter Over Dielectric Tolerance</b>	±0.004 in
<b>Diameter Over Outer Shield (Braid)</b>	5.893 mm   0.232 in
<b>Center Conductor Gauge</b>	18 AWG

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<b>Inner Shield (Braid) Gauge</b>	34 AWG
<b>Outer Shield (Braid) Gauge</b>	34 AWG

## Dimensions, Coaxial

<b>Jacket Thickness</b>	0.813 mm   0.032 in
<b>Jacket Thickness, minimum spot</b>	0.61 mm   0.024 in
<b>Diameter Over Jacket</b>	7.544 mm   0.297 in
<b>Diameter Over Jacket Tolerance</b>	±0.008 in

## Electrical Specifications

<b>Capacitance</b>	52.493 pF/m   16 pF/ft
<b>Characteristic Impedance</b>	75 ohm
<b>Characteristic Impedance Tolerance</b>	±3 ohm
<b>Conductor dc Resistance</b>	21.325 ohms/km   6.5 ohms/kft
<b>Dielectric Strength, conductor to shield</b>	2500 Vdc
<b>Jacket Spark Test Voltage</b>	4000 Vac
<b>Nominal Velocity of Propagation (NVP)</b>	82 %
<b>Shield dc Resistance</b>	16.076 ohms/km   4.9 ohms/kft
<b>Structural Return Loss</b>	15 dB @ 5–2200 MHz
<b>Structural Return Loss Test Method</b>	100% Swept Tested

## Attenuation

<b>Frequency (MHz)</b>	<b>Attenuation (dB/100 m)</b>	<b>Attenuation (dB/100 ft)</b>
1.0	1.21	0.37
10.0	2.16	0.66
50.0	4.62	1.41
100.0	6.3	1.92
200.0	8.66	2.64
400.0	12.23	3.73
700.0	16.56	5.05
900.0	18.99	5.79
1000.0	20.04	6.11
1200.0	22.07	6.73
1450.0	24.57	7.49
1800.0	27.65	8.43

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<b>2200.0</b>	30.67	9.35
<b>2500.0</b>	32.7	9.97
<b>3000.0</b>	35.82	10.92

## Material Specifications

<b>Center Conductor Material</b>	Bare copper
<b>Conductor Material</b>	Bare copper
<b>Dielectric Material</b>	Foam PE
<b>Jacket Material</b>	PVC
<b>Inner Shield (Braid) Coverage</b>	60 %
<b>Inner Shield (Braid) Material</b>	Aluminum
<b>Inner Shield (Tape) Material</b>	Aluminum/Poly, bonded
<b>Outer Shield (Braid) Coverage</b>	40 %
<b>Outer Shield (Braid) Material</b>	Aluminum
<b>Outer Shield (Tape) Material</b>	Aluminum/Poly, non-bonded
<b>Ripcord Material</b>	Polypropylene

## Mechanical Specifications

<b>Minimum Bend Radius, loaded, times</b>	20 times
<b>Minimum Bend Radius, unloaded, times</b>	10 times

## Environmental Specifications

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

## Packaging and Weights

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

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
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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 <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant



## \* Footnotes

**Operating Temperature** Specification applicable to non-terminated bulk fiber cable