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

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

General Specifications

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

Dimensions

Overall Cable Width	0.572 in | 14.529 mm
Cable Length	1000 ft | 304.8 m
Diameter Over Center Conductor Tolerance	±0.0004 in
Diameter Over Center Conductor, specific	0.0403 in per 1 strand
Diameter Over Conductor, singles, specific	0.0254 in per 1 strand
Diameter Over Dielectric	0.18 in | 4.572 mm
Diameter Over Dielectric Tolerance	±0.004 in
Diameter Over Outer Shield (Braid)	0.232 in | 5.893 mm
Center Conductor Gauge	18 AWG
Inner Shield (Braid) Gauge	34 AWG

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Outer Shield (Braid) Gauge	34 AWG

Dimensions, Coaxial

Jacket Thickness	0.032 in | 0.813 mm
Jacket Thickness, minimum spot	0.024 in | 0.61 mm
Diameter Over Jacket	0.297 in | 7.544 mm
Diameter Over Jacket Tolerance	±0.008 in

Electrical Specifications

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

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
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
2200.0	30.67	9.35

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2500.0	32.7	9.97
3000.0	35.82	10.92

Material Specifications

Center Conductor Material	Bare copper
Conductor Material	Bare copper
Dielectric Material	Foam PE
Jacket Material	PVC
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
Ripcord Material	Polypropylene

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	CM
Safety Standard	ETL | cETL

Packaging and Weights

Cable weight	60 lb/kft | 8.295 kg/km
Packaging Type	Reel

Regulatory Compliance/Certifications

Agency	**Classification**
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

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* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable

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