8441604/10 | 10GN4 BLUE REEL

Ultra 10® 10GN4 ETL Verified Category 6A U/UTP Cable, non-plenum, blue jacket, 4 pair count, 1000 ft (305 m) length reel

OBSOLETE

Replaced By:

UN884031004/10 CS44R BLU C6A 4/23 U/UTP RL 1KFT	CS44R ETL Verified Category 6A U/UTP Cable, non-plenum, blue jacket, 4 pair count, 1000 ft (305 m) length reel

Product Classification

Regional Availability	North America
Portfolio	Uniprise®
Product Type	Twisted pair cable
Product Brand	Ultra 10®

General Specifications

Product Number	10GN4
ANSI/TIA Category	6A
Cable Component Type	Horizontal
Cable Type	U/UTP (unshielded)
Conductor Type, singles	Solid
Conductors, quantity	8
Jacket Color	Blue
Pairs, quantity	4
Separator Type	Bisector
Transmission Standards	ANSI/TIA-568.2-D

Dimensions

Cable Length	304.8 m | 1000 ft
Diameter Over Jacket, nominal	8.001 mm | 0.315 in
Jacket Thickness	1.473 mm | 0.058 in
Conductor Gauge, singles	23 AWG

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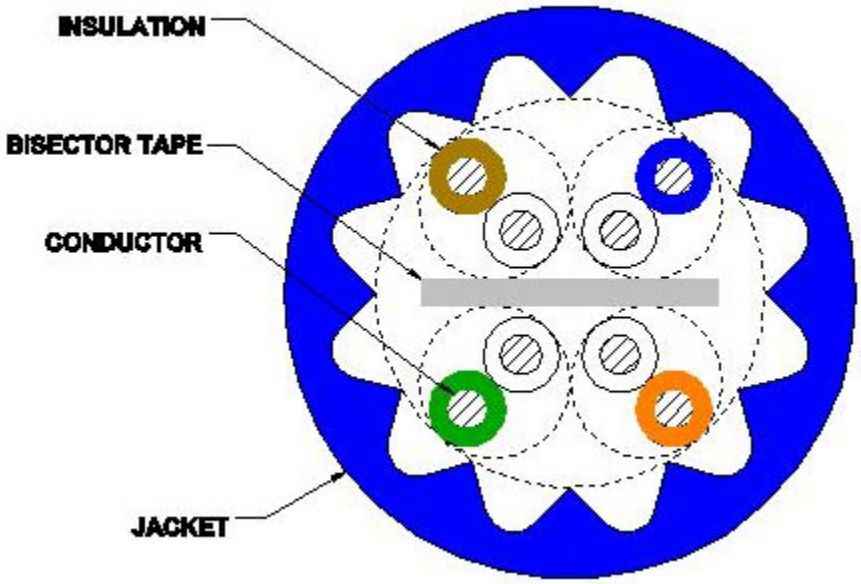
Cross Section Drawing



Electrical Specifications

dc Resistance Unbalance, maximum	4 %
dc Resistance, maximum	7.61 ohms/100 m | 2.32 ohms/100 ft
Dielectric Strength, minimum	1500 Vac | 2500 Vdc
Mutual Capacitance at Frequency	6.0 nF/100 m @ 1 kHz
Nominal Velocity of Propagation (NVP)	65 %
Operating Frequency, maximum	500 MHz
Operating Voltage, maximum	80 V
Remote Powering	Fully complies with the recommendations set forth by IEEE 802.3bt (Type 4) for the safe delivery of power over LAN cable when installed according to ISO/IEC 14763-2, CENELEC EN 50174-1, CENELEC EN 50174-2 or TIA TSB-184-A
Safety Voltage Rating	300 V

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Electrical Cable Performance

CS	CommScope
STD	Refers to the standard value listed under Transmission Standards in the Electrical Specifications above
TYP	Typical Electrical Performance
IL	Insertion Loss (dB/100m)
ACR	Attenuation to Crosstalk Ratio (dB/100m)
PSACR	Power Sum Attenuation to Crosstalk Ratio (dB/100m)
PSACRF	Power Sum Attenuation to Crosstalk Ratio - Far End (dB/100m)
TCL	Transverse Conversion Loss (dB/100m)
NEXT	Near End Crosstalk (dB/100m)
PSNEXT	Power Sum Near End Crosstalk (db/100m)
ACRF	Attenuation to Crosstalk Ratio - Far End (dB/100m)
RL	Return Loss (dB)
ELTCTL	Equal Level Transverse Conversion Transfer Loss (dB/100m)

Freq. MHz	IL	NEXT	ACR	PSNEXT	PSACR	ACRF	PSACRF	RL	TCL	ELTCTL
	STD	STD	STD	STD	STD	STD	STD	STD	STD	STD
1	2.1	74.3	72.2	72.3	70.2	67.8	64.8	20	40	35
4	3.8	65.3	61.5	63.3	59.5	55.8	52.8	23	40	23
8	5.3	60.8	55.4	58.8	53.4	49.7	46.7	24.5	40	16.9
10	5.9	59.3	53.4	57.3	51.4	47.8	44.8	25	40	15
16	7.5	56.2	48.8	54.2	46.8	43.7	40.7	25	38	10.9
20	8.4	54.8	46.4	52.8	44.4	41.8	38.8	25	37	9
25	9.4	53.3	44	51.3	42	39.8	36.8	24.3	36	7
31.25	10.5	51.9	41.4	49.9	39.4	37.9	34.9	23.6	35.1	
62.5	15	47.4	32.4	45.4	30.4	31.9	28.9	21.5	32	
100	19.1	44.3	25.2	42.3	23.2	27.8	24.8	20.1	30	
155	24.1	41.4	17.4	39.4	15.4	24	21	18.8	28.1	
200	27.6	39.8	12.2	37.8	10.2	21.8	18.8	18	27	
250	31.1	38.3	7.3	36.3	5.3	19.8	16.8	17.3	26	
300	34.3	37.1	2.9	35.1	0.9	18.3	15.3	16.8	25.2	
350	37.2	36.1	-1.1	34.1	-3.1	16.9	13.9	16.3	24.6	
400	40.1	35.3	-4.8	33.3	-6.8	15.8	12.8	15.9	24	
500	45.3	33.8	-11.4	31.8	-13.4	13.8	10.8	15.2	23	

Material Specifications

Conductor Material	Bare copper
Insulation Material	Polyolefin
Jacket Material	PVC
Separator Material	Polyolefin

Mechanical Specifications

Pulling Tension, maximum	11.34 kg | 25 lb

Environmental Specifications

Installation temperature	0 °C to +60 °C (+32 °F to +140 °F)

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Operating Temperature	-20 °C to +60 °C (-4 °F to +140 °F)
Environmental Space	Non-plenum
Flame Test Method	CMR

Packaging and Weights

Cable weight	60.419 kg/km | 40.6 lb/kft
Packaging Type	Reel

Regulatory Compliance/Certifications

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