UN874035914/10 | CS44P GRN C6A 4/23 U/UTP CPK 1KFT

CS44P ETL Verified Category 6A U/UTP Cable, plenum, green jacket, 4 pair count, 1000 ft (305 m) length CommPak



Product Classification

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

General Specifications

Product Number	CS44P
ANSI/TIA Category	6A
Cable Component Type	Horizontal
Cable Type	U/UTP (unshielded)
Conductor Type, singles	Solid
Conductors, quantity	8
Jacket Color	Green
Note	Consult ANSI/TIA-568-C.2 Annex G for length de-rating guidance for cable installation in higher temperature environments
Pairs, quantity	4
Separator Type	Bisector
Transmission Standards	ANSI/TIA-568.2-D | ISO/IEC 11801 Class EA

Dimensions

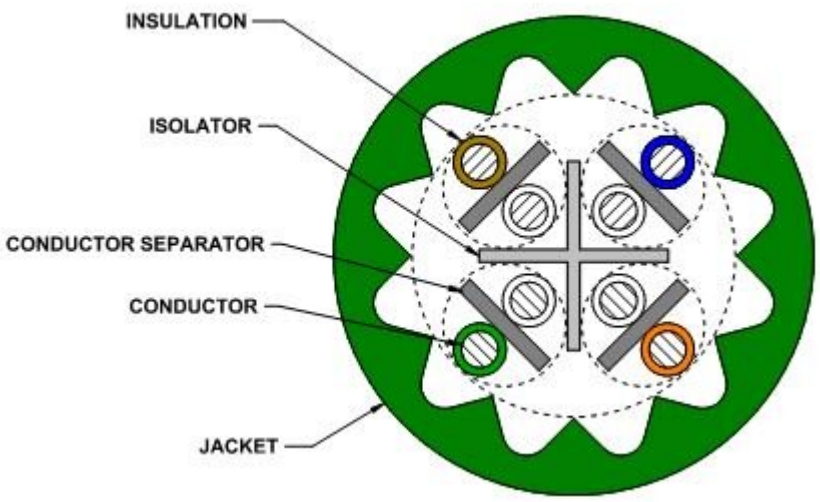
Cable Length	304.8 m | 1000 ft
Diameter Over Insulated Conductor	0.889 mm | 0.035 in
Diameter Over Jacket, nominal	7.239 mm | 0.285 in

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Jacket Thickness	1.295 mm | 0.051 in
Conductor Gauge, singles	23 AWG

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
LP (Limited Power) Rating	0.6 A
Mutual Capacitance at Frequency	5.6 nF/100 m @ 1 kHz
Nominal Velocity of Propagation (NVP)	66 %
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 Performance

CS
CommScope value

Std
Sandard value

(listed under the Transmission Standards in the Electrical Specifications above)

Typ
Typical value

IL
Insertion Loss (dB/100m)

RL
Return Loss (dB)

NEXT
Near End Crosstalk (dB/100m)

PSNEXT
Power Sum Near End Crosstalk (dB/100m)

ACR
Attenuation to Crosstalk Ratio (dB/100m)

ACRF
Attenuation to Crosstalk Ratio - Far End (dB/100m)

PSACR
Power Sum Attenuation to Crosstalk Ratio (dB/100m)

PSACRF
Insertion Loss (dB/100m)

FREQUENCY	IL TYP	IL STD	NEXT TYP	NEXT STD	ACR TYP	ACR STD	PSNEXT TYP	PSNEXT STD	PSACR TYP	PSACR STD	ACRF TYP	ACRF STD	PSACRF TYP	PSACRF STD	RL TYP	RL STD
1.00 MHz	1.8	2.1	90.6	74.3	88.8	72.2	88.3	72.3	86.5	70.2	82.1	67.8	80.3	64.8	32.2	20
4.00 MHz	3.6	3.8	82.4	65.3	78.8	61.5	80.2	63.3	76.6	59.5	70.1	55.8	68.4	52.8	33.9	23
8.00 MHz	5.1	5.3	77.6	60.8	72.5	55.4	75.8	58.8	70.7	53.4	64.1	49.7	62.3	46.7	36.7	24.5
10.00 MHz	5.7	5.9	76.4	59.3	70.7	53.4	74.4	57.3	68.7	51.4	62.2	47.8	60.4	44.8	37.7	25
16.00 MHz	7.3	7.5	73.1	56.2	65.9	48.8	71.3	54.2	64	46.8	58.2	43.7	56.4	40.7	38.7	25
20.00 MHz	8.1	8.4	71.5	54.8	63.4	46.4	69.7	52.8	61.6	44.4	56.4	41.8	54.5	38.8	38.7	25
25.00 MHz	9.1	9.4	70.2	53.3	61.1	44	68.3	51.3	59.2	42	54.5	39.8	52.6	36.8	35.5	24.3
31.25 MHz	10.2	10.5	68.6	51.9	58.4	41.4	66.7	49.9	56.5	39.4	52.7	37.9	50.7	34.9	37.2	23.6
62.50 MHz	14.6	15	64.2	47.4	49.6	32.4	62.3	45.4	47.7	30.4	46.6	31.9	44.7	28.9	34.6	21.5
100.00 MHz	18.6	19.1	60.8	44.3	42.1	25.2	59	42.3	40.3	23.2	42.5	27.8	40.5	24.8	30.3	20.1
155.00 MHz	23.4	24.1	58.4	41.4	35	17.4	56.4	39.4	33	15.4	38.9	24	37	21	30.8	18.8
200.00 MHz	26.8	27.6	56	39.8	29.2	12.2	54.2	37.8	27.4	10.2	36.6	21.8	34.6	18.8	30	18
250.00 MHz	30.1	31.1	54.3	38.3	24.2	7.3	52.5	36.3	22.3	5.3	34.6	19.8	32.6	16.8	30.5	17.3
300.00 MHz	33.1	34.3	53.1	37.1	19.9	2.9	51.2	35.1	18.1	0.9	33.1	18.3	31.2	15.3	31.1	16.8
350.00 MHz	36	37.2	51.8	36.1	15.8	-1.1	49.9	34.1	13.9	-3.1	31.9	16.9	29.9	13.9	31.7	16.3
400.00 MHz	38.8	40.1	50.8	35.3	12	-4.8	48.8	33.3	10	-6.8	30.6	15.8	28.6	12.8	31.5	15.9
500.00 MHz	43.6	45.3	47.9	33.8	4.3	-11.4	45.8	31.8	2.2	-13.4	28.7	13.8	26.7	10.8	32	15.2
550.00 MHz	43.8		48		4.1		45.9		2		28.6		26.7		31.9	
650.00 MHz	50.2		43.5		-6.7		41.5		-8.8		25.7		23.5		25.3	

Material Specifications

Conductor Material	Bare copper

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Insulation Material	FEP
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)
Operating Temperature	-20 °C to +75 °C (-4 °F to +167 °F)
Environmental Space	Plenum
Temperature Rating, ETL	105 °C | 221 °F
Flame Test Method	CMP/FT6 | NEC Article 800 | NFPA 262 | UL 444 | UL 910
Smoke Test Method	CMP/FT6

Packaging and Weights

Cable weight	63.098 kg/km | 42.4 lb/kft
Packaging Type	CommPak® box

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
UK-ROHS	Compliant

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