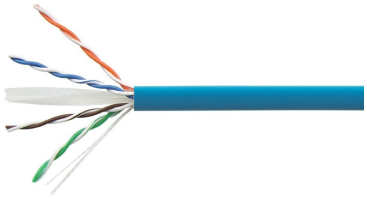
1427071-6 | CS30CM BLU C6 4/24 U/UTP RIB 305M



Copper Cable, category 6, 4 pair, UTP, CM rated, 24 AWG, 305 m reel in box, blue

Product Classification

Regional Availability	Asia
Portfolio	NETCONNECT®
Product Type	Twisted pair cable

General Specifications

Product Number	CS30CM
ANSI/TIA Category	6
Cable Component Type	Horizontal
Cable Type	U/UTP (unshielded)
Conductor Type, singles	Solid
Conductors, quantity	8
Jacket Color	Blue
Pairs, quantity	4
Transmission Standards	ANSI/TIA-568.2-D | CENELEC EN 50288-6-1 | ISO/IEC 11801 Class E

Dimensions

Cable Length	304.8 m | 1000 ft
Diameter Over Conductor	0.978 mm | 0.038 in
Diameter Over Jacket, nominal	5.588 mm | 0.22 in
Conductor Gauge, singles	24 AWG

Electrical Specifications

Characteristic Impedance	100 ohm
dc Resistance Unbalance, maximum	5 %

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Delay Skew, maximum	45 ns
Dielectric Strength, minimum	1500 Vac | 2500 Vdc
Mutual Capacitance at Frequency	5.6 nF/100 m @ 1 kHz
Nominal Velocity of Propagation (NVP)	67 %
Operating Frequency, maximum	250 MHz
Operating Voltage, maximum	80 V
Propagation Delay, maximum	536 ns/100m @250MHz
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

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	74.3	72.3	72.3	70.3	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	49.9	46.9	24.5	40	16.9
10	6	59.3	53.3	57.3	51.3	47.8	44.8	25	40	15
16	7.6	56.2	48.7	54.2	46.7	43.7	40.7	25	38	10.9
20	8.5	54.8	46.3	52.8	44.3	41.8	38.8	25	37	9
25	9.5	53.3	43.8	51.3	41.8	39.8	36.8	24.3	36	7
31.25	10.7	51.9	41.2	49.9	39.2	37.9	34.9	23.6	35.1	
62.5	15.4	47.4	32	45.4	30	31.9	28.9	21.5	32	
100	19.8	44.3	24.5	42.3	22.5	27.8	24.8	20.1	30	
155	25.2	41.4	16.3	39.4	14.3	24	21	18.8	28.1	
200	29	39.8	10.8	37.8	8.8	21.8	18.8	18	27	
250	32.8	38.3	5.5	36.3	3.5	19.8	16.8	17.3	26	

Material Specifications

Conductor Material	Bare copper
Insulation Material	Polyolefin
Jacket Material	PVC

Mechanical Specifications

Minimum Bend Radius Note	4 times the outer cable diameter

Environmental Specifications

Installation temperature	-0 °C to +60 °C (-32 °F to +140 °F)
Operating Temperature	-20 °C to +60 °C (-4 °F to +140 °F)
Storage Temperature	-20 °C to +80 °C (-4 °F to +176 °F)
Environmental Space	Non-plenum
Flame Test Method	CM

Packaging and Weights

Packaging Type	Reel in box

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant