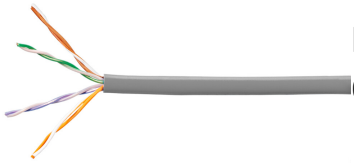
884024914/10 | CS24CM GRY C5E 4/24 U/UTP CPK 305M



ETL Verified Category 5e U/UTP Cable, non-plenum, gray jacket, 4 pair count, 1000 ft (305 m) length, CommPak

Product Classification

Regional Availability	Asia
Portfolio	CommScope®
Product Type	Twisted pair cable
Ordering Note	Available in Asia Pacific

General Specifications

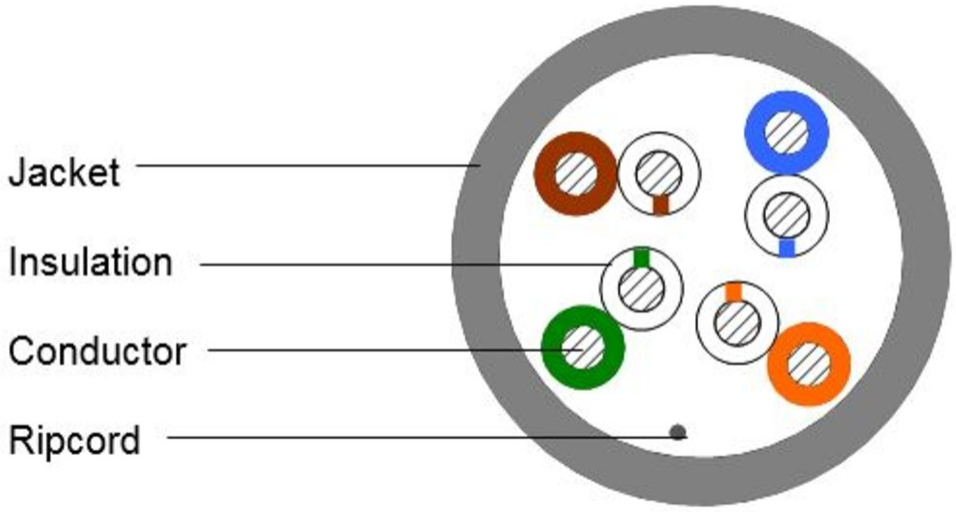
Product Number	CS24
ANSI/TIA Category	5e
Cable Component Type	Horizontal
Cable Type	U/UTP (unshielded)
Conductor Type, singles	Solid
Conductors, quantity	8
Jacket Color	Gray
Note	All electrical transmission tests include swept frequency measurements
Pairs, quantity	4
Transmission Standards	ANSI/TIA-568.2-D | CENELEC EN 50288-3-1 | ISO/IEC 11801 Class D

Dimensions

Cable Length	304.8 m | 1000 ft
Diameter Over Jacket, nominal	4.902 mm | 0.193 in
Jacket Thickness	0.508 mm | 0.02 in
Conductor Gauge, singles	24 AWG

Cross Section Drawing

884024914/10 | CS24CM GRY C5E 4/24 U/UTP CPK 305M



Electrical Specifications

Characteristic Impedance	100 ohm
dc Resistance Unbalance, maximum	5 %
dc Resistance, maximum	9.38 ohms/100 m | 2.859 ohms/100 ft
Dielectric Strength, minimum	1500 Vac | 2500 Vdc
Mutual Capacitance at Frequency	5.6 nF/100 m @ 1 kHz
Operating Frequency, maximum	100 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

884024914/10 | CS24CM GRY C5E 4/24 U/UTP CPK 305M

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
	STD	STD	STD	STD	STD	STD	STD	STD
1	2	65.3	63.3	62.3	60.3	63.8	60.8	20
4	4.1	56.3	52.2	53.3	49.2	51.8	48.8	23
8	5.8	51.8	46	48.8	43	45.7	42.7	24.5
10	6.5	50.3	43.8	47.3	40.8	43.8	40.8	25
16	8.2	47.2	39	44.2	36	39.7	36.7	25
20	9.3	45.8	36.5	42.8	33.5	37.8	34.8	25
25	10.4	44.3	33.9	41.3	30.9	35.8	32.8	24.3
31.25	11.7	42.9	31.2	39.9	28.2	33.9	30.9	23.6
62.5	17	38.4	21.4	35.4	18.4	27.9	24.9	21.5
100	22	35.3	13.3	32.3	10.3	23.8	20.8	20.1

Material Specifications

Conductor Material	Bare copper
Insulation Material	Polyolefin
Jacket Material	PVC

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 +60 °C (-4 °F to +140 °F)
Environmental Space	Non-plenum
Flame Test Method	CM | UL 1685

Packaging and Weights

Packaging Type	CommPak® box

884024914/10 | CS24CM GRY C5E 4/24 U/UTP CPK 305M

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