

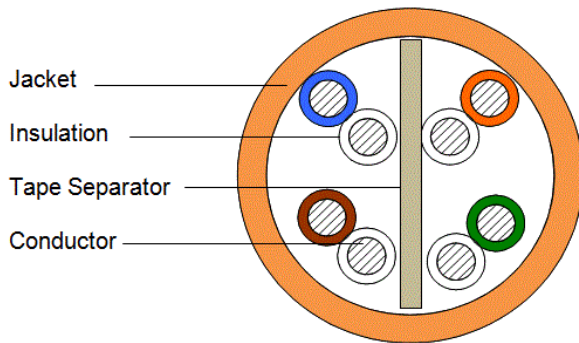
884029214/10 | CS34Z3 2316552-2 OR C6 4/24 UTP CPK 305M

CS34Z3 Category 6 U/UTP Cable, low smoke zero halogen, orange jacket, 4 pair count, 1000 ft (305 m) length CommPak

Product Classification

Portfolio	NETCONNECT®
Product Type	Twisted pair cable
Regional Availability	EMEA

Cross Section Drawing



Construction Materials

Jacket Material	Low Smoke Zero Halogen (LSZH)
Conductor Material	Bare copper
Insulation Material	Polyolefin
Separator Material	Polyolefin

Dimensions

Cable Length	305 m 1000 ft
Cable Weight	19.10 lb/kft
Diameter Over Jacket	5.715 mm 0.225 in
Jacket Thickness	0.559 mm 0.022 in

Electrical Specifications

ANSI/TIA Category	6
Characteristic Impedance	100 ohm
dc Resistance Unbalance, maximum	5 %
dc Resistance, maximum	9.38 ohms/100 m
Delay Skew, maximum	24 ns
Mutual Capacitance	5.6 nF/100 m @ 1 kHz
Nominal Velocity of Propagation (NVP)	69 %
Operating Frequency, maximum	250 MHz
Transmission Standards	ANSI/TIA-568-C.2
Safety Voltage Rating	300 V
Dielectric Strength, minimum	1500 Vac 2500 Vdc
Note	All electrical transmission tests include swept frequency measurements

Environmental Specifications

Environmental Space	Low Smoke Zero Halogen (LSZH)
Smoke Test Method	IEC 61034-2
Acid Gas Test Method	IEC 60754-2
CPR Cable Classifications	EuroClass Dca s2 d2 a1
Flame Test Method	IEC 60332-3-22
Installation Temperature	0 °C to +60 °C (+32 °F to +140 °F)
Operating Temperature	-20 °C to +60 °C (-4 °F to +140 °F)

General Specifications

Cable Type	U/UTP (unshielded)
Packaging Type	CommPak® box
Pairs, quantity	4
Cable Component Type	Horizontal
Jacket Color	Orange
Product Number	CS34Z3
Brand	NETCONNECT®

Product Specifications

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Conductor Gauge, singles	24 AWG
Conductor Type, singles	Solid
Conductors, quantity	8
Ordering Note	Available in Europe, Middle East, and Africa
Separator Type	Tape separator

Mechanical Specifications

Pulling Tension, maximum 11 kg | 25 lb

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system
CENELEC	EN 50575 compliant, Declaration of Performance (DoP) available



Product Specifications



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Electrical Performance

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

Freq. MHz	IL			NEXT			ACR			PSNEXT			PSACR			ACRF			PSACRF			RL			TCL			ELTCTL		
	CS	Std	Typ	CS	Std	Typ	CS	Std	Typ	CS	Std	Typ	CS	Std	Typ	CS	Std	Typ	CS	Std	Typ	CS	Std	Typ	CS	Std	Typ	CS	Std	Typ
1	2.0	2.0	1.8	75.3	74.3	84.2	73.3	72.3	82.4	72.3	72.3	82.5	70.3	70.3	80.7	68.0	67.8	76.6	65.0	64.8	76.2	20.0	20.0	34.2	40.0	40.0	54.5	35.0	35.0	54.2
4	3.8	3.8	3.5	66.3	65.3	78.9	62.5	61.5	75.4	63.3	63.3	77.2	59.5	59.5	73.7	56.0	55.8	64.8	53.0	52.8	64.5	23.0	23.0	35.2	40.0	40.0	53.2	23.0	23.0	51.2
8	5.3	5.3	5.0	61.8	60.8	77.0	56.4	55.4	72.0	58.8	58.8	75.0	53.4	53.4	69.9	49.9	49.7	58.8	46.9	46.7	58.5	24.5	24.5	34.6	40.0	40.0	55.1	16.9	16.9	54.2
10	6.0	6.0	5.6	60.3	59.3	74.0	54.3	53.3	68.4	57.3	57.3	72.0	51.3	51.3	66.3	48.0	47.8	56.9	45.0	44.8	56.6	25.0	25.0	33.5	40.0	40.0	54.5	15.0	15.0	55.0
16	7.6	7.6	7.1	57.2	56.2	73.3	49.7	48.7	66.1	54.2	54.2	70.7	46.7	46.7	63.6	43.9	43.7	52.8	40.9	40.7	52.5	25.0	25.0	36.1	38.0	38.0	53.6	10.9	10.9	53.5
20	8.5	8.5	8.0	55.8	54.8	70.4	47.3	46.3	62.4	52.8	52.8	68.2	44.3	44.3	60.2	42.0	41.8	50.8	39.0	38.8	50.5	25.0	25.0	36.0	37.0	37.0	53.7	9.0	9.0	53.7
25	9.5	9.5	8.9	54.3	53.3	70.9	44.8	43.8	62.0	51.3	51.3	68.1	41.8	41.8	59.1	40.0	39.8	48.9	37.0	36.8	48.6	24.3	24.3	34.5	36.0	36.0	52.2	7.0	7.0	52.6
31.25	10.7	10.7	10.0	52.9	51.9	68.4	42.2	41.2	58.4	49.9	49.9	66.6	39.2	39.2	56.5	38.1	37.9	46.9	35.1	34.9	46.6	23.6	23.6	33.9	35.1	35.1	50.3			
62.5	15.4	15.4	14.2	48.4	47.4	63.3	33.0	32.0	49.1	45.4	45.4	61.3	30.0	30.0	47.0	32.1	31.9	40.7	29.1	28.9	40.5	21.5	21.5	30.6	32.0	32.0	46.5			
100	19.8	19.8	18.1	45.3	44.3	60.5	25.5	24.5	42.4	42.3	42.3	58.2	22.5	22.5	40.1	28.0	27.8	36.6	25.0	24.8	36.3	20.1	20.1	27.8	30.0	30.0	44.1			
155	25.2	25.2	22.7	42.4	41.4	55.4	17.3	16.3	32.6	39.4	39.4	53.2	14.3	14.3	30.5	24.2	24.0	33.3	21.2	21.0	32.9	18.8	18.8	25.4	28.1	28.1	42.8			
200	29.0	29.0	26.0	40.8	39.8	56.0	11.8	10.8	30.0	37.8	37.8	54.0	8.8	8.8	28.0	22.0	21.8	32.2	19.0	18.8	31.8	18.0	18.0	23.0	27.0	27.0	41.9			
250	32.8	32.8	29.1	39.3	38.3	53.7	6.5	5.5	24.6	36.3	36.3	51.2	3.5	3.5	22.0	20.0	19.8	31.4	17.0	16.8	30.9	17.3	17.3	21.5	26.0	26.0	38.8			
300			32.0			44.5			12.5			43.8			11.8			29.9			29.2			20.2			38.9			
350			34.8			49.2			14.4			47.2			12.4			27.2			26.7			19.3			38.0			
400			37.5			50.2			12.7			47.8			10.3			24.6			24.1			18.3			36.6			
500			42.1			48.7			6.6			46.6			4.5			21.5			20.8			16.5			29.8			
550			44.5			46.2			1.7			44.1			-0.4			20.5			19.7			15.7			30.8			