

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

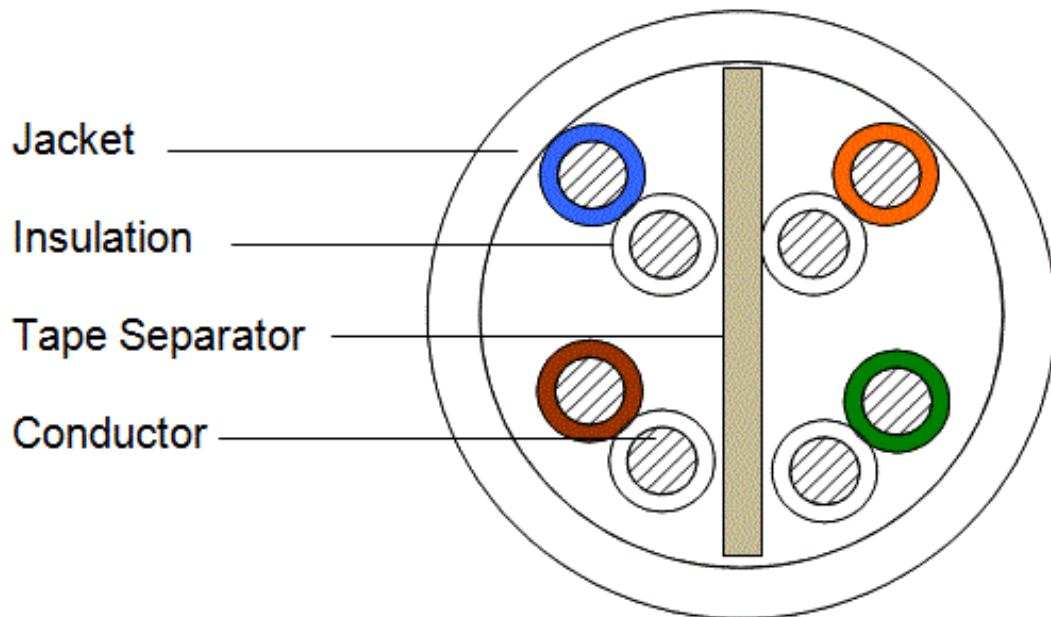
Product Classification

Portfolio	NETCONNECT®
Product Type	Twisted pair cable
Regional Availability	EMEA

Standards And Qualifications

EN50575 CPR Cable EuroClass Dca | s2 | d2 | a1

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, maximum	5.72 mm 0.23 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
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	White
Product Number	CS34Z3
Brand	NETCONNECT®
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

RoHS 2011/65/EU

ISO 9001:2008

CENELEC

Classification

Compliant

Designed, manufactured and/or distributed under this quality management system

EN 50575 compliant, Declaration of Performance (DoP) available



Electrical Performance

CS CommScope
 Std Refers to the standard value listed under Transmission Standards in the Electrical Specifications above
 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	CS	Std	CS	Std	CS	Std	CS	Std	CS	Std	CS	Std	CS	Std	CS	Std	CS	Std
1	2.0	2.0	75.3	74.3	73.3	72.3	72.3	72.3	70.3	70.3	68.0	67.8	65.0	64.8	20.0	20.0	40.0	40.0	35.0	35.0
4	3.8	3.8	66.3	65.3	62.5	61.5	63.3	63.3	59.5	59.5	56.0	55.8	53.0	52.8	23.0	23.0	40.0	40.0	23.0	23.0
8	5.3	5.3	61.8	60.8	56.4	55.4	58.8	58.8	53.4	53.4	49.9	49.7	46.9	46.7	24.5	24.5	40.0	40.0	16.9	16.9
10	6.0	6.0	60.3	59.3	54.3	53.3	57.3	57.3	51.3	51.3	48.0	47.8	45.0	44.8	25.0	25.0	40.0	40.0	15.0	15.0
16	7.6	7.6	57.2	56.2	49.7	48.7	54.2	54.2	46.7	46.7	43.9	43.7	40.9	40.7	25.0	25.0	38.0	38.0	10.9	10.9
20	8.5	8.5	55.8	54.8	47.3	46.3	52.8	52.8	44.3	44.3	42.0	41.8	39.0	38.8	25.0	25.0	37.0	37.0	9.0	9.0
25	9.5	9.5	54.3	53.3	44.8	43.8	51.3	51.3	41.8	41.8	40.0	39.8	37.0	36.8	24.3	24.3	36.0	36.0	7.0	7.0
31.25	10.7	10.7	52.9	51.9	42.2	41.2	49.9	49.9	39.2	39.2	38.1	37.9	35.1	34.9	23.6	23.6	35.1	35.1		
62.5	15.4	15.4	48.4	47.4	33.0	32.0	45.4	45.4	30.0	30.0	32.1	31.9	29.1	28.9	21.5	21.5	32.0	32.0		
100	19.8	19.8	45.3	44.3	25.5	24.5	42.3	42.3	22.5	22.5	28.0	27.8	25.0	24.8	20.1	20.1	30.0	30.0		
155	25.2	25.2	42.4	41.4	17.3	16.3	39.4	39.4	14.3	14.3	24.2	24.0	21.2	21.0	18.8	18.8	28.1	28.1		
200	29.0	29.0	40.8	39.8	11.8	10.8	37.8	37.8	8.8	8.8	22.0	21.8	19.0	18.8	18.0	18.0	27.0	27.0		
250	32.8	32.8	39.3	38.3	6.5	5.5	36.3	36.3	3.5	3.5	20.0	19.8	17.0	16.8	17.3	17.3	26.0	26.0		