

884015704/10 | CS34ZB WHT C6 4/23 U/UTP RL 305M  
**CS34ZB Category 6 U/UTP Cable, low smoke zero halogen, white jacket, 4 pair count, 305 m length Reel**

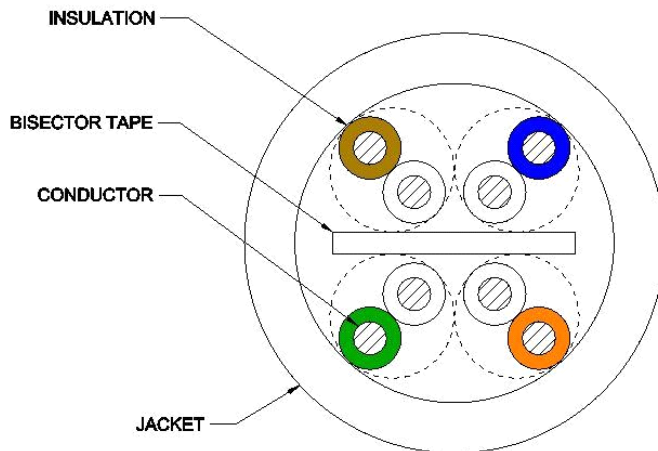
## Product Classification

Portfolio	NETCONNECT®
Product Type	Twisted pair cable
Regional Availability	EMEA

## Standards And Qualifications

EN50575 CPR Cable EuroClass	B2ca   s1   d0   a1
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## 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   1001 ft
Cable Weight	29.40 lb/kft
Diameter Over Jacket	6.248 mm   0.246 in
Jacket Thickness	0.762 mm   0.030 in

## Electrical Specifications

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ANSI/TIA Category	6
Characteristic Impedance	100 ohm
dc Resistance Unbalance, maximum	5 %
dc Resistance, maximum	7.61 ohms/100 m
Delay Skew, maximum	45 ns
Mutual Capacitance	5.6 nF/100 m @ 1 kHz
Nominal Velocity of Propagation (NVP)	69 %
Operating Frequency, maximum	250 MHz
Operating Voltage, maximum	80 V
Transmission Standards	ANSI/TIA-568-C.2
Dielectric Strength, minimum	1500 Vac   2500 Vdc
Note	All electrical transmission tests include swept frequency measurements

## Environmental Specifications

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Environmental Space	Low Smoke Zero Halogen (LSZH)
Smoke Test Method	IEC 61034-2
Acid Gas Test Method	EN 50267-2-3
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

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Cable Type	U/UTP (unshielded)
Packaging Type	Reel
Pairs, quantity	4
Cable Component Type	Horizontal
Jacket Color	White
Product Number	CS34ZB
Brand	NETCONNECT®
Conductor Gauge, singles	23 AWG
Conductor Type, singles	Solid
Conductors, quantity	8
Separator Type	Tape separator

## Mechanical Specifications

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Pulling Tension, maximum	11 kg   25 lb
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## Regulatory Compliance/Certifications

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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



## 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	74.3	74.3	72.3	72.3	72.3	72.3	70.3	70.3	67.8	67.8	64.8	64.8	20.0	20.0	40.0	40.0	35.0	35.0
4	3.8	3.8	65.3	65.3	61.5	61.5	63.3	63.3	59.5	59.5	55.8	55.8	52.8	52.8	23.0	23.0	40.0	40.0	23.0	23.0
8	5.3	5.3	60.8	60.8	55.4	55.4	58.8	58.8	53.4	53.4	49.7	49.7	46.7	46.7	24.5	24.5	40.0	40.0	16.9	16.9
10	6.0	6.0	59.3	59.3	53.3	53.3	57.3	57.3	51.3	51.3	47.8	47.8	44.8	44.8	25.0	25.0	40.0	40.0	15.0	15.0
16	7.6	7.6	56.2	56.2	48.7	48.7	54.2	54.2	46.7	46.7	43.7	43.7	40.7	40.7	25.0	25.0	38.0	38.0	10.9	10.9
20	8.5	8.5	54.8	54.8	46.3	46.3	52.8	52.8	44.3	44.3	41.8	41.8	38.8	38.8	25.0	25.0	37.0	37.0	9.0	9.0
25	9.5	9.5	53.3	53.3	43.8	43.8	51.3	51.3	41.8	41.8	39.8	39.8	36.8	36.8	24.3	24.3	36.0	36.0	7.0	7.0
31.25	10.7	10.7	51.9	51.9	41.2	41.2	49.9	49.9	39.2	39.2	37.9	37.9	34.9	34.9	23.6	23.6	35.1	35.1		
62.5	15.4	15.4	47.4	47.4	32.0	32.0	45.4	45.4	30.0	30.0	31.9	31.9	28.9	28.9	21.5	21.5	32.0	32.0		
100	19.8	19.8	44.3	44.3	24.5	24.5	42.3	42.3	22.5	22.5	27.8	27.8	24.8	24.8	20.1	20.1	30.0	30.0		
155	25.2	25.2	41.4	41.4	16.3	16.3	39.4	39.4	14.3	14.3	24.0	24.0	21.0	21.0	18.8	18.8	28.1	28.1		
200	29.0	29.0	39.8	39.8	10.8	10.8	37.8	37.8	8.8	8.8	21.8	21.8	18.8	18.8	18.0	18.0	27.0	27.0		
250	32.8	32.8	38.3	38.3	5.5	5.5	36.3	36.3	3.5	3.5	19.8	19.8	16.8	16.8	17.3	17.3	26.0	26.0		