



884016204/10 | CS34ZC WHT C6 4/23 U/UTP RL 305M  
**CS34ZC Category 6 U/UTP Cable, low smoke zero halogen, white jacket, 4 pair count, 305 m length Reel**

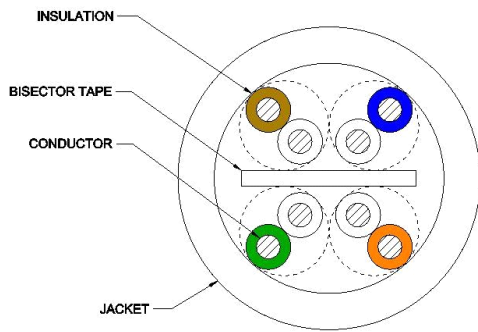
## Product Classification

Portfolio	NETCONNECT®
Product Type	Twisted pair cable
Regional Availability	EMEA

## Standards And Qualifications

EN50575 CPR Cable EuroClass	Cca   s1   d1   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	30.50 lb/kft
Diameter Over Jacket	6.248 mm   0.246 in
Jacket Thickness	0.762 mm   0.030 in

## Electrical Specifications

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

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)

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Operating Temperature -20 °C to +60 °C (-4 °F to +140 °F)

## General Specifications

Cable Type	U/UTP (unshielded)
Packaging Type	Reel
Pairs, quantity	4
Cable Component Type	Horizontal
Jacket Color	White
Product Number	CS34ZC
Brand	NETCONNECT®
Conductor Gauge, singles	23 AWG
Conductor Type, singles	Solid
Conductors, quantity	8
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	CS	Std
1	2.0	2.0	1.8	74.3	74.3	89.3	72.3	72.3	87.6	72.3	72.3	87.0	70.3	70.3	85.3	67.8	67.8	84.3	64.8	64.8	82.4	20.0	20.0	34.0	40.0	40.0	35.0	35.0
4	3.8	3.8	3.5	65.3	65.3	80.0	61.5	61.5	76.5	63.3	63.3	77.7	59.5	59.5	74.1	55.8	55.8	72.6	52.8	52.8	70.8	23.0	23.0	33.9	40.0	40.0	23.0	23.0
8	5.3	5.3	5.0	60.8	60.8	75.5	55.4	55.4	70.5	58.8	58.8	73.2	53.4	53.4	68.2	49.7	49.7	66.8	46.7	46.7	64.9	24.5	24.5	35.5	40.0	40.0	16.9	16.9
10	6.0	6.0	5.6	59.3	59.3	73.9	53.3	53.3	68.3	57.3	57.3	71.5	51.3	51.3	65.9	47.8	47.8	64.9	44.8	44.8	63.0	25.0	25.0	36.5	40.0	40.0	15.0	15.0
16	7.6	7.6	7.2	56.2	56.2	70.6	48.7	48.7	63.4	54.2	54.2	68.3	46.7	46.7	61.1	43.7	43.7	60.8	40.7	40.7	58.9	25.0	25.0	37.6	38.0	38.0	10.9	10.9
20	8.5	8.5	8.1	54.8	54.8	69.2	46.3	46.3	61.2	52.8	52.8	66.9	44.3	44.3	58.8	41.8	41.8	58.9	38.8	38.8	56.9	25.0	25.0	38.2	37.0	37.0	9.0	9.0
25	9.5	9.5	9.0	53.3	53.3	67.6	43.8	43.8	58.6	51.3	51.3	65.3	41.8	41.8	56.2	39.8	39.8	57.0	36.8	36.8	55.0	24.3	24.3	38.2	36.0	36.0	7.0	7.0
31.25	10.7	10.7	10.1	51.9	51.9	66.3	41.2	41.2	56.1	49.9	49.9	63.9	39.2	39.2	53.8	37.9	37.9	55.0	34.9	34.9	53.0	23.6	23.6	38.3	35.1	35.1		
62.5	15.4	15.4	14.5	47.4	47.4	61.4	32.0	32.0	46.9	45.4	45.4	59.0	30.0	30.0	44.5	31.9	31.9	48.9	28.9	28.9	46.9	21.5	21.5	34.7	32.0	32.0		
100	19.8	19.8	18.6	44.3	44.3	58.1	24.5	24.5	39.5	42.3	42.3	55.7	22.5	22.5	37.1	27.8	27.8	44.7	24.8	24.8	42.8	20.1	20.1	31.6	30.0	30.0		
155	25.2	25.2	23.5	41.4	41.4	55.7	16.3	16.3	32.2	39.4	39.4	53.0	14.3	14.3	29.5	24.0	24.0	41.0	21.0	21.0	39.0	18.8	18.8	29.6	28.1	28.1		
200	29.0	29.0	26.9	39.8	39.8	52.6	10.8	10.8	25.7	37.8	37.8	50.4	8.8	8.8	23.4	21.8	21.8	38.6	18.8	18.8	36.7	18.0	18.0	29.3	27.0	27.0		
250	32.8	32.8	30.3	38.3	38.3	50.8	5.5	5.5	20.5	36.3	36.3	48.6	3.5	3.5	18.3	19.8	19.8	36.5	16.8	16.8	34.7	17.3	17.3	28.8	26.0	26.0		
300			33.5			49.0			15.6			46.8			13.4			34.5			32.6			28.9				
350			36.4			47.6			11.2			45.4			9.0			33.0			31.0			29.0				
400			39.0			46.3			7.3			44.1			5.1			31.3			29.3			30.3				
500			44.3			43.2			-1.1			41.2			-3.1			27.3			25.5			31.0				
550			44.6			43.1			-1.5			41.2			-3.5			27.4			25.5			31.0				
650			51.3			40.2			-11.1			38.4			-12.9			22.3			20.4			25.0				