# 884028704/10 | CS44Z3 BLU C6A 4/23 U/UTP RL 305M



CS44Z3 ETL Verified Category 6A U/UTP LSZH Cable, blue jacket, 4 pair count, 1000 ft (305 m) length, reel

#### Product Classification

PortolioNETCONNECT@Product TypeTwisted pair cableGeneral SpecificationsS4423Product Number6AANSI/TIA CategoryACable Component TypeHorizontalCable TypeU/UTP (unshielded)Conductor Squantity8Jacket ColorBlueParament StandardsIsolatorTransmission StandardsNSI/TIA S68.2D   ISO/IEC 11801 Class EADimensionsS04.5M   0.000 ftCable Length04.6M   0.000 ftJaket Toker StandardsS04.5M   0.000 ftDimensions1.232 mm   0.025 iniJaket Thickness1.292 mm   0.051 iniJonductor Gauge, singles3.4WG	Regional Availability	Asia   Australia/New Zealand   EMEA   Latin America
Ceneral SpecificationsProduct NumberCS44Z3ANSI/TIA Category6ACable Component TypeHorizontalCable Component TypeU/UTP (unshielded)Cable TypeSolidConductor Type, singlesSolidConductors, quantity8Jacket ColorBluePairs, quantity4Separator TypeIsolatorTransmission StandardsNSI/TIA-568.2-D   ISO/IEC11801 Class EADimensions304.8 m   1000 ftPianeter Over Insulated Conductor0.864 mm   0.034 inPianeter Over Jacket, nominal7.239 mm   0.285 inJacket Thickness1.205 mm   0.051 in	Portfolio	NETCONNECT®
Product NumberCS4423ANSI/TIA Category6AAble Component TypeHorizontalCable Component TypeU/UTP (unshielded)Cable TypeSolidConductor Type, singlesSolidConductors, quantity8Jacket ColorBlueParis, quantityIsolatorSeparator TypeIsolatorTransmission StandardsANSI/TIA-568.2-D   ISO/IEC 11801 Class EADimensionSSolidsmin (Lass Marci)Cable LengthSol4 Marci (Lass Marci)Diameter Over Insulated ConductorN64 Marci (Loss Marci)Jacket Thicknes1.295 mm   0.051 in	Product Type	Twisted pair cable
ANSI/TIA Category6AANSI/TIA Category6ACable Component TypeHorizontalCable TypeU/UTP (unshielded)Conductor Type, singlesSolidConductors, quantity8Jacket ColorBluePairs, quantity4Separator TypeIsolatorTransmission StandardsANSI/TIA-568.2-D   ISO/IEC 11801 Class EADimensions204.8 m   1000 ftDiameter Over Insulated Conductor0.864 mm   0.034 inDiameter Over Jacket, nominal7.239 mm   0.285 inJacket Thickness1.295 mm   0.051 in	General Specifications	
Cable Component TypeHorizontalCable TypeU/UTP (unshielded)Conductor Type, singlesSolidConductors, quantity8Jacket ColorBluePairs, quantity4Separator TypeIsolatorTransmission StandardsANSI/TIA-568.2-D   ISO/IEC 11801 Class EADimensions304.8 m   1000 ftDiameter Over Insulated Conductor0.864 mm   0.034 inDiameter Over Jacket, nominal7.239 mm   0.285 inJacket Thickness1.295 mm   0.051 in	Product Number	CS44Z3
Cable TypeU/UTP (unshielded)Conductor Type, singlesSolidConductors, quantity8Jacket ColorBluePairs, quantity4Separator TypeIsolatorTransmission StandardsANSI/TIA-568.2-D   ISO/IEC 11801 Class EADimensions304.8 m   1000 ftDiameter Over Insulated Conductor0.864 mm   0.034 inDiameter Over Jacket, nominal7.239 mm   0.285 inJacket Thickness1.295 mm   0.051 in	ANSI/TIA Category	6A
Conductor Type, singlesSolidConductors, quantity8Jacket ColorBluePairs, quantity4Separator TypeIsolatorTransmission StandardsANSI/TIA-568.2-D   ISO/IEC 11801 Class EADIMENSIONS304.8 m   1000 ftCable Length304.8 m   1000 ftDiameter Over Insulated Conductor0.864 mm   0.034 inDiameter Over Jacket, nominal7.239 mm   0.285 inJacket Thickness1.295 mm   0.051 in	Cable Component Type	Horizontal
Conductors, quantity8Jacket ColorBluePairs, quantity4Separator TypeIsolatorTransmission StandardsANSI/TIA-568.2-D   ISO/IEC 11801 Class EADimensions304.8 m   1000 ftCable Length304.8 m   0.034 inDiameter Over Insulated Conductor0.864 mm   0.285 inDiameter Over Jacket, nominal7.239 mm   0.285 inJacket Thickness1.295 mm   0.051 in	Cable Type	U/UTP (unshielded)
Jacket ColorBluePairs, quantity4Separator TypeIsolatorTransmission StandardsANSI/TIA-568.2-D   ISO/IEC 11801 Class EADimensionsSeparator TypeCable Length304.8 m   1000 ftDiameter Over Insulated Conductor0.864 mm   0.034 inDiameter Over Jacket, nominal7.239 mm   0.285 inJacket Thickness1.295 mm   0.051 in	Conductor Type, singles	Solid
Pairs, quantity4Separator TypeIsolatorTransmission StandardsANSI/TIA-568.2-D   ISO/IEC 11801 Class EADimensions304.8 m   1000 ftCable Length304.8 m   0.034 inDiameter Over Insulated Conductor0.864 mm   0.034 inDiameter Over Jacket, nominal7.239 mm   0.285 inJacket Thickness1.295 mm   0.051 in	Conductors, quantity	8
Separator TypeIsolatorTransmission StandardsANSI/TIA-568.2-D   ISO/IEC 11801 Class EADimensionsStandardsCable Length304.8 m   1000 ftDiameter Over Insulated Conductor0.864 mm   0.034 inDiameter Over Jacket, nominal7.239 mm   0.285 inJacket Thickness1.295 mm   0.051 in	Jacket Color	Blue
Transmission StandardsANSI/TIA-568.2-D   ISO/IEC 11801 Class EADimensions304.8 m   1000 ftCable Length304.8 m   0.034 inDiameter Over Insulated Conductor0.864 mm   0.034 inDiameter Over Jacket, nominal7.239 mm   0.285 inJacket Thickness1.295 mm   0.051 in	Pairs, quantity	4
DimensionsCable Length304.8 m   1000 ftDiameter Over Insulated Conductor0.864 mm   0.034 inDiameter Over Jacket, nominal7.239 mm   0.285 inJacket Thickness1.295 mm   0.051 in	Separator Type	Isolator
Cable Length304.8 m   1000 ftDiameter Over Insulated Conductor0.864 mm   0.034 inDiameter Over Jacket, nominal7.239 mm   0.285 inJacket Thickness1.295 mm   0.051 in	Transmission Standards	ANSI/TIA-568.2-D   ISO/IEC 11801 Class EA
Diameter Over Insulated Conductor0.864 mm   0.034 inDiameter Over Jacket, nominal7.239 mm   0.285 inJacket Thickness1.295 mm   0.051 in	Dimensions	
Diameter Over Jacket, nominal7.239 mm0.285 inJacket Thickness1.295 mm0.051 in	Cable Length	304.8 m   1000 ft
Jacket Thickness 1.295 mm   0.051 in	Diameter Over Insulated Conductor	0.864 mm   0.034 in
	Diameter Over Jacket, nominal	7.239 mm   0.285 in
Conductor Gauge, singles23 AWG	Jacket Thickness	1.295 mm   0.051 in
	Conductor Gauge, singles	23 AWG

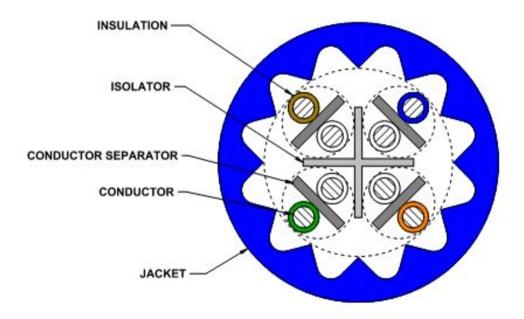
## Cross Section Drawing

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## **Electrical Specifications**

dc Resistance Unbalance, maximum	4 %
dc Resistance, maximum	7.61 ohms/100 m   2.32 ohms/100 ft
Mutual Capacitance at Frequency	6.0 nF/100 m @ 1 kHz
Nominal Velocity of Propagation (NVP)	66 %
Operating Frequency, maximum	550 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
Segregation Class	С

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### Electrical Cable Performance

CS	CommScope		
STD	Refers to the standard value listed under Transmission Standards in th	e Electrical Specificat	tions above
ТҮР	Typical Electrical Performance		
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.	IL		NEXT		ACR		PSNEXT		PSACR		ACRF		PSACRF		RL	
MHz	STD	түр	STD	түр	STD	түр	STD	түр	STD	ТҮР	STD	түр	STD	түр	STD	ТҮР
1	2.1	1.8	74.3	90.6	72.2	88.8	72.3	88.3	70.2	86.5	67.8	82.1	64.8	80.3	20	32.2
4	3.8	3.6	65.3	82.4	61.5	78.8	63.3	80.2	59.5	76.6	55.8	70.1	52.8	68.4	23	33.9
8	5.3	5.1	60.8	77.6	55.4	72.5	58.8	75.8	53.4	70.7	49.7	64.1	46.7	62.3	24.5	36.7
10	5.9	5.7	59.3	76.4	53.4	70.7	57.3	74.4	51.4	68.7	47.8	62.2	44.8	60.4	25	37.7
16	7.5	7.3	56.2	73.1	48.8	65.9	54.2	71.3	46.8	64	43.7	58.2	40.7	56.4	25	38.7
20	8.4	8.1	54.8	71.5	46.4	63.4	52.8	69.7	44.4	61.6	41.8	56.4	38.8	54.5	25	38.7
25	9.4	9.1	53.3	70.2	44	61.1	51.3	68.3	42	59.2	39.8	54.5	36.8	52.6	24.3	35.5
31.25	10.5	10.2	51.9	68.6	41.4	58.4	49.9	66.7	39.4	56.5	37.9	52.7	34.9	50.7	23.6	37.2
62.5	15	14.6	47.4	64.2	32.4	49.6	45.4	62.3	30.4	47.7	31.9	46.6	28.9	44.7	21.5	34.6
100	19.1	18.6	44.3	60.8	25.2	42.1	42.3	59	23.2	40.3	27.8	42.5	24.8	40.5	20.1	30.3
155	24.1	23.4	41.4	58.4	17.4	35	39.4	56.4	15.4	33	24	38.9	21	37	18.8	30.8
200	27.6	26.8	39.8	56	12.2	29.2	37.8	54.2	10.2	27.4	21.8	36.6	18.8	34.6	18	30
250	31.1	30.1	38.3	54.3	7.3	24.2	36.3	52.5	5.3	22.3	19.8	34.6	16.8	32.6	17.3	30.5
300	34.3	33.1	37.1	53.1	2.9	19.9	35.1	51.2	0.9	18.1	18.3	33.1	15.3	31.2	16.8	31.1
350	37.2	36	36.1	51.8	-1.1	15.8	34.1	49.9	-3.1	13.9	16.9	31.9	13.9	29.9	16.3	31.7
400	40.1	38.8	35.3	50.8	-4.8	12	33.3	48.8	-6.8	10	15.8	30.6	12.8	28.6	15.9	31.5
500	45.3	43.6	33.8	47.9	-11.4	4.3	31.8	45.8	-13.4	2.2	13.8	28.7	10.8	26.7	15.2	32
550		43.8		48		4.1		45.9		2		28.6		26.7		31.9
650		50.2		43.5		-6.7		41.5		-8.8		25.7		23.5		25.3

#### Material Specifications

Conductor Material	Bare copper
Insulation Material	Polyolefin
Jacket Material	Low Smoke Zero Halogen (LSZH)
Separator Material	Polyolefin
Separator 2 Material	Polyolefin

#### Mechanical Specifications

Pulling Tension, maximum

11.34 kg | 25 lb

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#### **Environmental Specifications**

305M

Installation temperature	0 °C to +60 °C (+32 °F to +140 °F)
Operating Temperature	-20 °C to +60 °C (-4 °F to +140 °F)
Acid Gas Test Method	IEC 60754-2
EN50575 CPR Cable EuroClass Fire Performance	Dca
EN50575 CPR Cable EuroClass Smoke Rating	s2
EN50575 CPR Cable EuroClass Droplets Rating	d2
EN50575 CPR Cable EuroClass Acidity Rating	a1
Environmental Space	Low Smoke Zero Halogen (LSZH)
Flame Test Method	IEC 60332-3-22
Smoke Test Method	IEC 61034-2
<b>D</b>	

#### Packaging and Weights

Cable weight	54.913 kg/km   36.9 lb/kft
Packaging Type	Reel

#### Regulatory Compliance/Certifications

Agency	Classification
CENELEC	EN 50575 compliant, Declaration of Performance (DoP) available
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



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