

CQHXC | IP6A-24SFTP-PG2S-BLUNT

Base Product



3297B Category 7 S/FTP LSZH Preterminated Copper Cable, dual row standard density RJ45 plug to unterminated, 24 links

Product Classification

Regional Availability	Asia Australia/New Zealand EMEA Latin America North America
Portfolio	CommScope®
Product Type	Copper trunk cable assembly
Product Brand	GigaSPEED X10D® InstaPATCH® Cu

General Specifications

ANSI/TIA Category	6A
Cable Type	S/FTP (shielded)
Conductor Type	Solid
Interface, Connector A	RJ45 plug
Interface Feature, connector A	Dual row Standard density
Interface, Connector B	Unterminated
Link Count	24
Wiring	T568B

Dimensions

Cable Assembly Length Range (m)	2 – 30
Cable Assembly Length Range (ft)	7 – 98

Electrical Specifications

dc Resistance, maximum	0.3 ohm
Safety Voltage Rating	300 V

Ordering Tree

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	1	2	3	4	5	6	7	8	9	10	11	12	
	C	A	A	A	C	-	1	1	H	A	B	B	F
	0	5	0										

Cable Type	Connector A	Connector B	Orientation A	Orientation B
A Cat 6A X10D – U/UTP (Plenum)	A Outlet* – Single Row Standard Density	A Outlet* – Single Row Standard Density	1 Trident Series Flat	1 Trident Series Flat
B Cat 6A X10D – U/UTP (Riser)	B Outlet* – Dual Row Standard Density	B Outlet* – Dual Row Standard Density	2 Right Paired Flat	2 Right Paired Flat
C Cat 6A X10D – U/UTP (LSZH)	C Outlet* – Dual Row High Density	C Outlet* – Dual Row High Density	3 Right Series Flat	3 Right Series Flat
D Cat 6A X10D – F/UTP (Plenum)	G RJ45 Plug* – Single Row Standard Density	G RJ45 Plug* – Single Row Standard Density	4 Left Paired Flat	4 Left Paired Flat
E Cat 6A X10D – F/UTP (Riser)	H RJ45 Plug* – Dual Row Standard Density	H RJ45 Plug* – Dual Row Standard Density	5 Left Series Flat	5 Left Series Flat
F Cat 6A X10D – F/UTP (LSZH)	J RJ45 Plug* – Dual Row High Density	J RJ45 Plug* – Dual Row High Density	6 Trident Paired Flat	6 Trident Paired Flat
G Cat 6 XL – U/UTP (Plenum)	N 1100 Module	N 1100 Module	A Trident Series Angled	A Trident Series Angled
H Cat 6 XL – U/UTP (Riser)	R 360 1100 Evolve Module	R 360 1100 Evolve Module	B Right Paired Angled	B Right Paired Angled
J Cat 6 XL – U/UTP (LSZH)	S OneLink 2x6	S OneLink 2x6	C Right Series Angled	C Right Series Angled
Q Cat 6A X10D – S/FTP (LSZH)	T OneLink 2x4	T OneLink 2x4	D Left Paired Angled	D Left Paired Angled
R Cat 6 – U/UTP Class B Rated (LSZH)			E Left Series Angled	E Left Series Angled
S Cat 6A – U/UTP Class B Rated (LSZH)			F Trident Paired Angled	F Trident Paired Angled
Y Cat 6A X10D SD – U/UTP (Riser)			X Not Applicable	X Not Applicable

Link	Outlet Color	UOM	Length
B 6	0 Not Applicable	11 F Foot	12 XXX
C 8	1 Black (BK)	M Meter	
D 12	2 Blue (BL)		
E 16	3 White (WH)		
F 18			
G 24			

Connector A	Bundling	Jacket Color
A Outlet* – Single Row Standard Density	H Hook-n-loop	B White (WH)
B Outlet* – Dual Row Standard Density	S Slewing	C Slate (SL)
C Outlet* – Dual Row High Density		Z Blue (BL)
G RJ45 Plug* – Single Row Standard Density		
H RJ45 Plug* – Dual Row Standard Density		
J RJ45 Plug* – Dual Row High Density		
N 1100 Module		
R 360 1100 Evolve Module		
S OneLink 2x6		
T OneLink 2x4		
X Unterminated		

- Cords > 1m are authorized for use in channels and are an effective standalone method used to connect active devices
- Cords < 1m are also valid elements for use in a channel or as an equipment interconnect, but due to their limited length are not guaranteed to meet component compliance requirements that were developed to assess the quality of longer cords

Environmental Specifications

Operating Temperature	-10 °C to +60 °C (+14 °F to +140 °F)
Environmental Space	Low Smoke Zero Halogen (LSZH)
Flammability Rating	UL 94 V-0

Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system



Included Products

3299A-4/26	–	3299A Category 6A S/FTP Cable, low smoke zero halogen, 4 pair count
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3299A-4/26

3299A Category 6A S/FTP Cable, low smoke zero halogen, 4 pair count



Product Classification

Regional Availability	Asia Australia/New Zealand EMEA Latin America
Portfolio	CommScope®
Product Type	Twisted pair cable
Ordering Note	Available in Europe, Middle East, and Africa

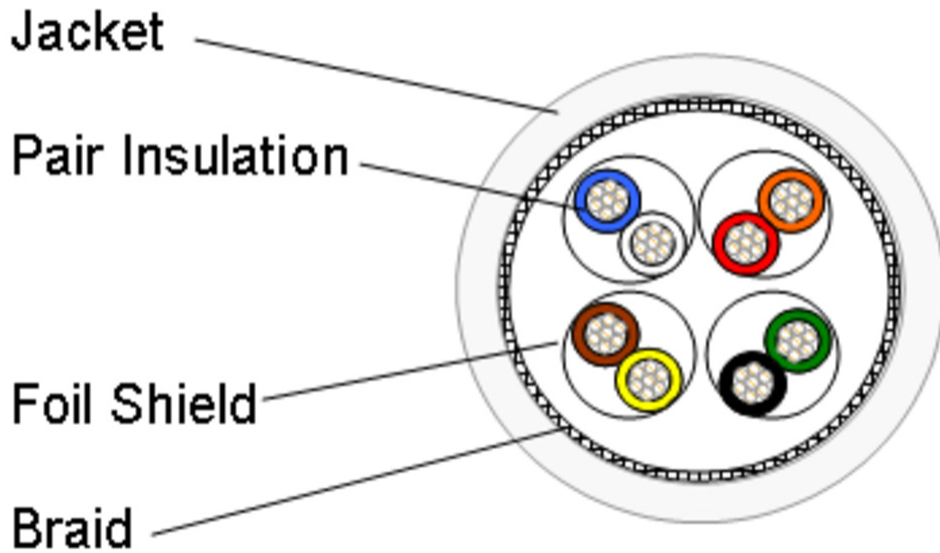
General Specifications

Product Number	3299A
ANSI/TIA Category	6A
Cable Component Type	Cordage
Cable Type	S/FTP (shielded)
Conductor Type, singles	Stranded
Conductors, quantity	8
Pairs, quantity	4
Transmission Standards	ANSI/TIA-568.2-D ISO/IEC 11801 Class EA

Dimensions

Diameter Over Jacket, nominal	5.791 mm 0.228 in
Conductor Gauge, singles	26 AWG

Cross Section Drawing



Electrical Specifications

dc Resistance Unbalance, maximum	2 %
dc Resistance, maximum	13.5 ohms/100 m 4.115 ohms/100 ft
Mutual Capacitance at Frequency	4.3 nF/100 m @ 1 kHz
Nominal Velocity of Propagation (NVP)	78 %
Operating Frequency, maximum	500 MHz
Operating Voltage, maximum	80 V

Material Specifications

Conductor Material	Stranded copper wire
Insulation Material	Polyolefin
Jacket Material	Low Smoke Zero Halogen (LSZH)
Separator Material	Polyolefin
Shield (Braid) Material	Tinned copper
Shield (Tape) Material	Polyester/Aluminum shield

Mechanical Specifications

Pulling Tension, maximum	7.257 kg 16 lb
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3299A-4/26

Environmental Specifications

Installation temperature	0 °C to +50 °C (+32 °F to +122 °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	d1
EN50575 CPR Cable EuroClass Acidity Rating	a1
Environmental Space	Low Smoke Zero Halogen (LSZH)
Flame Test Method	IEC 60332-1-2
Smoke Test Method	IEC 61034-2

Packaging and Weights

Cable weight	39.511 kg/km 26.55 lb/kft
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Regulatory Compliance/Certifications

Agency	Classification
CENELEC	EN 50575 compliant, Declaration of Performance (DoP) available
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

