

CTAAG | IP6A-24BFTP-01S-01S

Base Product



InstaPATCH® Cu GigaSPEED X10D® F/FTP LSZH Class B2ca Preterminated Copper Cable, single row standard density outlet to single row standard density outlet, 24 links

Product Classification

Regional Availability	EMEA
Portfolio	CommScope®
Product Type	Copper trunk cable assembly
Product Brand	GigaSPEED X10D® InstaPATCH® Cu
Ordering Note	Available cable jacket color: white

General Specifications

ANSI/TIA Category	6A
Cable Type	F/FTP (shielded)
Conductor Type	Solid
Interface, Connector A	Information outlet
Interface Feature, connector A	Single row Standard density
Interface, Connector B	Information outlet
Interface Feature, connector B	Single row Standard density
Link Count	24
Wiring	T568B

Dimensions

Cable Assembly Length Range (m)	5 – 90
Cable Assembly Length Range (ft)	17 – 295

Electrical Specifications

dc Resistance, maximum	0.3 ohm
Safety Voltage Rating	300 V

Ordering Tree

CTAAG | IP6A-24BFTP-01S-01S

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 B	Orientation A	Orientation B
A Cat 6A X10D – U/UTP (Plenum)	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	2 Right Paired Flat	2 Right Paired Flat
C Cat 6A X10D – U/UTP (LSZH)	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	4 Left Paired Flat	4 Left Paired Flat
E Cat 6A X10D – F/UTP (Riser)	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	6 Trident Paired Flat	6 Trident Paired Flat
G Cat 6 XL – U/UTP (Plenum)	N 1100 Module	A Trident Series Angled	A Trident Series Angled
H Cat 6 XL – U/UTP (Riser)	R 360 1100 Evolve Module	B Right Paired Angled	B Right Paired Angled
I Cat 6 XL – U/UTP (LSZH)	S OneLink 2x6	C Right Series Angled	C Right Series Angled
J Cat 6A X10D – S/FTP (LSZH)	T OneLink 2x4	D Left Paired Angled	D Left Paired Angled
K Cat 6 – U/UTP Class B Rated (LSZH)		E Left Series Angled	E Left Series Angled
L Cat 6A – U/UTP Class B Rated (LSZH)		F Trident Paired Angled	F Trident Paired Angled
M Cat 6A X10D SD – U/UTP (Riser)			X Not Applicable

Connector A	Link	Outlet Color	Jacket Color	UOM	Length
A Outlet* – Single Row Standard Density	B 6	0 Not Applicable	8 White (WH)	F Foot	12 XXX
B Outlet* – Dual Row Standard Density	C 8	1 Black (BK)	10 Slate (SL)	M Meter	
C Outlet* – Dual Row High Density	D 12	2 Blue (BL)	Z Blue (BL)		
G RJ45 Plug* – Single Row Standard Density	E 16	3 White (WH)			
H RJ45 Plug* – Dual Row Standard Density	F 18				
J RJ45 Plug* – Dual Row High Density	G 24				
N 1100 Module					
R 360 1100 Evolve Module					
S OneLink 2x6					
T OneLink 2x4					
X Unterminated					

Connector A	Link	Outlet Color	Jacket Color	UOM	Length
A Outlet* – Single Row Standard Density	B 6	0 Not Applicable	8 White (WH)	F Foot	12 XXX
B Outlet* – Dual Row Standard Density	C 8	1 Black (BK)	10 Slate (SL)	M Meter	
C Outlet* – Dual Row High Density	D 12	2 Blue (BL)	Z Blue (BL)		
G RJ45 Plug* – Single Row Standard Density	E 16	3 White (WH)			
H RJ45 Plug* – Dual Row Standard Density	F 18				
J RJ45 Plug* – Dual Row High Density	G 24				
N 1100 Module					
R 360 1100 Evolve Module					
S OneLink 2x6					
T OneLink 2x4					
X Unterminated					

Bundling	Labeling
H Hook-n-loop	A Generic Label
S Sleaving	

- 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)
EN50575 CPR Cable EuroClass Fire Performance	B2ca
EN50575 CPR Cable EuroClass Smoke Rating	s1
EN50575 CPR Cable EuroClass Droplets Rating	d0
EN50575 CPR Cable EuroClass Acidity Rating	a1
Environmental Space	Low Smoke Zero Halogen (LSZH)
Flammability Rating	UL 94 V-0

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



Included Products

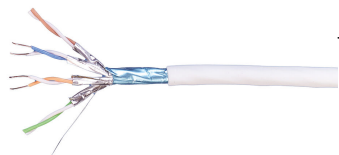
CTAAG | IP6A-24BFTP-01S-01S

760237952
3296A-B WH 4/23 R1640

- 3296A-B Category 6A F/FTP Cable, low smoke zero halogen, white jacket, 4 pair count, 1640 ft (500 m) length, reel

760237952 | 3296A-B WH 4/23 R1640

3296A-B Category 6A F/FTP Cable, low smoke zero halogen, white jacket, 4 pair count, 1640 ft (500 m) length, reel



Product Classification

Regional Availability	EMEA
Portfolio	SYSTIMAX®
Product Type	Twisted pair cable

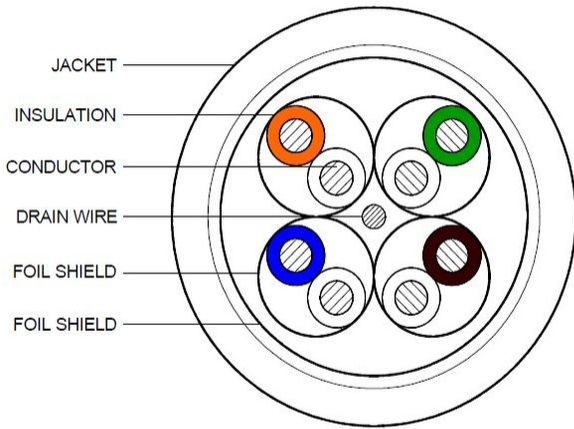
General Specifications

Product Number	3296A-B
ANSI/TIA Category	6A
Cable Component Type	Horizontal
Cable Type	F/FTP (shielded)
Conductor Type, singles	Solid
Conductors, quantity	8
Jacket Color	White
Pairs, quantity	4
Transmission Standards	ANSI/TIA-568.2-D ISO/IEC 11801 Class EA

Dimensions

Cable Length	500 m 1,640.42 ft
Cable Length Tolerance	±5%
Diameter Over Insulated Conductor	1.168 mm 0.046 in
Diameter Over Jacket, nominal	7.01 mm 0.276 in
Jacket Thickness	0.61 mm 0.024 in
Conductor Gauge, singles	23 AWG

Cross Section Drawing



Electrical Specifications

Coupling Attenuation	Type II
dc Resistance Unbalance, maximum	2 %
dc Resistance, maximum	7.61 ohms/100 m 2.32 ohms/100 ft
Mutual Capacitance at Frequency	4.2 nF/100 m @ 1 kHz
Nominal Velocity of Propagation (NVP)	79 %
Operating Frequency, maximum	500 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
Segregation Class	d
Transfer Impedance	Grade 2

Material Specifications

Conductor Material	Bare copper
Insulation Material	Polyolefin
Jacket Material	Low Smoke Zero Halogen (LSZH)
Shield (Tape) Material	Polyester/Aluminum shield

Mechanical Specifications

760237952 | 3296A-B WH 4/23 R1640

Pulling Tension, maximum 11.34 kg | 25 lb

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 EN 50267-2-3
EN50575 CPR Cable EuroClass Fire Performance B2ca
EN50575 CPR Cable EuroClass Smoke Rating s1a
EN50575 CPR Cable EuroClass Droplets Rating d1
EN50575 CPR Cable EuroClass Acidity Rating a1
Environmental Space Low Smoke Zero Halogen (LSZH)
Smoke Test Method IEC 61034-2

Packaging and Weights

Cable weight 47.859 kg/km | 32.16 lb/kft
Packaging Type Reel

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

