

CHBBD | IPO6-12RUTP-02S-02S

Base Product



InstaPATCH® Cu GigaSPEED XL® U/UTP Riser Preterminated Copper Cable, dual row standard density outlet to dual row standard density outlet, 12 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 XL® InstaPATCH® Cu

General Specifications

ANSI/TIA Category	6
Cable Type	U/UTP (unshielded)
Conductor Type	Solid
Interface, Connector A	Information outlet
Interface Feature, connector A	Dual row Standard density
Interface, Connector B	Information outlet
Interface Feature, connector B	Dual row Standard density
Link Count	12
Wiring	T568B

Dimensions

Cable Assembly Length Range (m)	2 – 90
Cable Assembly Length Range (ft)	7 – 295

Electrical Specifications

dc Resistance, maximum	0.3 ohm
Safety Voltage Rating	300 V

Ordering Tree

CHBBD | IPO6-12RUTP-02S-02S

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								
1 A Cat 6A X10D – U/UTP (Plenum) B Cat 6A X10D – U/UTP (Riser) C Cat 6A X10D – U/UTP (LSZH) D Cat 6A X10D – F/UTP (Plenum) E Cat 6A X10D – F/UTP (Riser) F Cat 6A X10D – F/UTP (LSZH) G Cat 6 XL – U/UTP (Plenum) H Cat 6 XL – U/UTP (Riser) J Cat 6 XL – U/UTP (LSZH) Q Cat 6A X10D – S/FTP (LSZH) R Cat 6 – U/UTP Class B Rated (LSZH) S Cat 6A – U/UTP Class B Rated (LSZH) Y Cat 6A X10D SD – U/UTP (Riser)	3 A Outlet* – Single Row Standard Density B Outlet* – Dual Row Standard Density C Outlet* – Dual Row High Density 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	5 1 Trident Series Flat 2 Right Paired Flat 3 Right Series Flat 4 Left Paired Flat 5 Left Series Flat 6 Trident Paired Flat A Trident Series Angled B Right Paired Angled C Right Series Angled D Left Paired Angled E Left Series Angled F Trident Paired Angled	6 1 Trident Series Flat 2 Right Paired Flat 3 Right Series Flat 4 Left Paired Flat 5 Left Series Flat 6 Trident Paired Flat A Trident Series Angled B Right Paired Angled C Right Series Angled D Left Paired Angled E Left Series Angled F Trident Paired Angled X Not Applicable								
Connector A	Link	Outlet Color	UOM	Length							
2 A Outlet* – Single Row Standard Density B Outlet* – Dual Row Standard Density C Outlet* – Dual Row High Density 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	4 B 6 C 8 D 12 E 16 F 18 G 24	9 0 Not Applicable 1 Black (BK) 2 Blue (BL) 3 White (WH)	11 F Foot M Meter	12 XXX							
	Bundling	Jacket Color	<ul style="list-style-type: none"> 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 								
	7 H Hook-n-loop S Sleaving	10 8 White (WH) C Slate (SL) Z Blue (BL)									
	Labeling										
	8 A Generic Label										

Environmental Specifications

Operating Temperature	-10 °C to +60 °C (+14 °F to +140 °F)
Environmental Space	Riser
Flammability Rating	UL 94 V-0

Regulatory Compliance/Certifications

Agency	Classification
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

1071E-4/23	–	GigaSPEED XL® 1071E ETL Verified Category 6 U/UTP Cable, non-plenum, 4 pair count
MGS400	–	GigaSPEED XL® M-Series Modular Jack, RJ45, Cat6 Unshielded

1071E-4/23



GigaSPEED XL® 1071E ETL Verified Category 6 U/UTP Cable, non-plenum, 4 pair count

Product Classification

Regional Availability	Asia Australia/New Zealand EMEA Latin America North America
Portfolio	SYSTIMAX®
Product Type	Twisted pair cable
Product Brand	GigaSPEED XL®
Ordering Note	Not available in Europe, the Middle East, or Africa

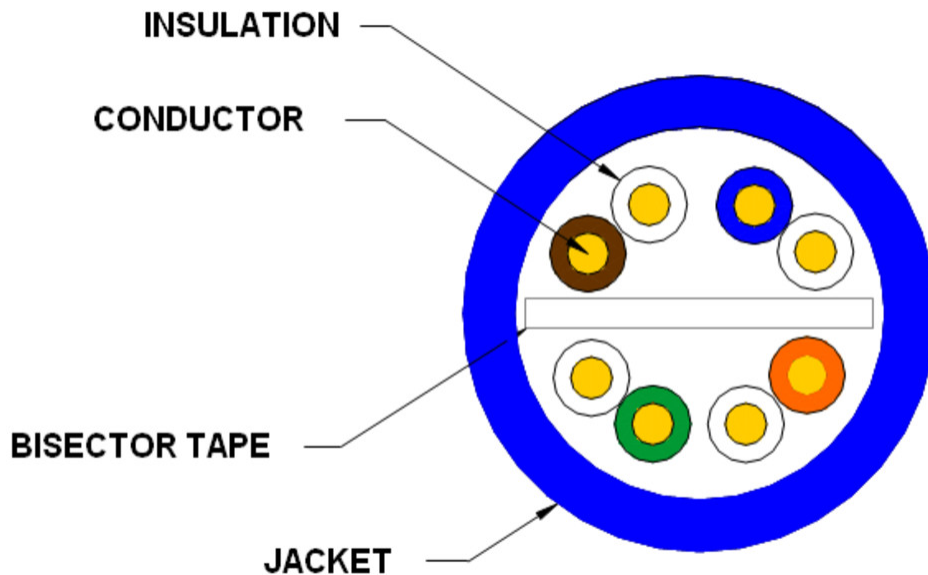
General Specifications

Product Number	1071E
ANSI/TIA Category	6
Cable Component Type	Horizontal
Cable Type	U/UTP (unshielded)
Conductor Type, singles	Solid
Conductors, quantity	8
Pairs, quantity	4
Separator Type	Bisector
Transmission Standards	ANSI/TIA-568.2-D CENELEC EN 50288-6-1 ISO/IEC 11801 Class E

Dimensions

Diameter Over Jacket, nominal	5.893 mm 0.232 in
Jacket Thickness	0.559 mm 0.022 in
Conductor Gauge, singles	23 AWG

Cross Section Drawing



Electrical Specifications

dc Resistance Unbalance, maximum	5 %
dc Resistance, maximum	7.61 ohms/100 m 2.32 ohms/100 ft
Dielectric Strength, minimum	1500 Vac 2500 Vdc
Mutual Capacitance at Frequency	5.6 nF/100 m @ 1 kHz
Nominal Velocity of Propagation (NVP)	69 %
Operating Frequency, maximum	300 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

Material Specifications

Conductor Material	Bare copper
Insulation Material	Polyolefin
Jacket Material	PVC
Separator Material	Polyolefin

Mechanical Specifications

1071E-4/23

Pulling Tension, maximum 11.34 kg | 25 lb

Environmental Specifications

Installation temperature 0 °C to +60 °C (+32 °F to +140 °F)

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

Environmental Space Non-plenum

Temperature Rating, UL 75 °C | 167 °F

Flame Test Method CMG | CMR

Packaging and Weights

Cable weight 38.097 kg/km | 25.6 lb/kft

Regulatory Compliance/Certifications

Agency

ISO 9001:2015

Classification

Designed, manufactured and/or distributed under this quality management system

MGS400

Base Product



GigaSPEED XL® M-Series Modular Jack, RJ45, Cat6 Unshielded

- Electrical performance guaranteed to meet or exceed the channel specifications to ISO/IEC 11801 Class E and ANSI/TIA-568.2-D Category 6
- Patented crossing of straddling pair contacts enables efficient alien crosstalk reduction in the channel
- Snaps into standard M-series faceplates, surface-mount boxes, consolidation point boxes and modular panels
- Mountable either at 90 degrees (straight) or 45 degrees (angled) in M-series faceplate

Product Classification

Regional Availability

Asia | Australia/New Zealand | EMEA | Latin America | North America

Portfolio

SYSTIMAX®

Product Type

Modular jack

Product Brand

GigaSPEED XL®

Product Series

MGS400

General Specifications

ANSI/TIA Category

6

Cable Type

Unshielded

Conductor Type

Solid | Stranded

Termination Type

IDC

Wiring

T568A | T568B

Dimensions

Height

19.4 mm | 0.764 in

Width

21.08 mm | 0.83 in

Depth

30.2 mm | 1.189 in

Compatible Conductor Gauge, solid

22 AWG | 24 AWG

Compatible Conductor Gauge, stranded

22 AWG | 24 AWG

Electrical Specifications

Contact Resistance Variation, maximum

20 mOhm

Contact Resistance, maximum

100 mOhm

MGS400

Current Rating at Temperature	1.5 A @ 20 °C 1.5 A @ 68 °F
Dielectric Withstand Voltage, RMS, conductive surface	1,500 Vac @ 60 Hz
Dielectric Withstand Voltage, RMS, contact-to-contact	1,000 Vac @ 60 Hz
Insulation Resistance, minimum	500 MOhm
PoE Durability	Supports IEEE 802.3bt Type 4 (90 W) applications after 3000 plug to jack mating cycles

Material Specifications

Contact Plating Material	Precious metals
Material Type	Copper alloy High-impact, flame retardant, thermoplastic
Termination Contact Plating	Nickel

Mechanical Specifications

Plug Retention Force, minimum	133 N 29.9 lbf
Plug to Jack Mating Cycles	Complies to IEC 60603-7 series

Environmental Specifications

Operating Temperature	-10 °C to +60 °C (+14 °F to +140 °F)
Storage Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Relative Humidity	Up to 95%, non-condensing
Flammability Rating	UL 94 V-0
Safety Standard	UL cUL

Regulatory Compliance/Certifications

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