CCBJG | IP6A-24LUTP-02S-PG2H

Base Product



InstaPATCH® Cu GigaSPEED X10D® U/UTP LSZH Preterminated Copper Cable, dual row standard density outlet to dual row high density RJ45 plug, 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	U/UTP (unshielded)	
Conductor Type	Solid	
Interface, Connector A	Information outlet	
Interface Feature, connector A	Dual row Standard density	
Interface, Connector B	RJ45 plug	
Interface Feature, connector B	Dual row High density	
Link Count	24	
Wiring	Т568В	
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

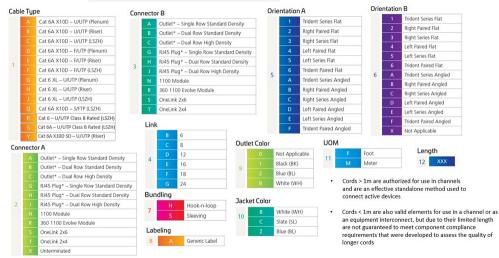
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CCBJG | IP6A-24LUTP-02S-PG2H

CAAAC-11HABBF050



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

3095B-4/24	-	GigaSPEED X10D® 3095B Category 6A U/UTP Cable, non-plenum, 4 pair count
MGS600	-	GigaSPEED X10D® M-Series Modular Jack, RJ45, Cat6A Unshielded

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GigaSPEED X10D® 3095B Category 6A U/UTP Cable, non-plenum, 4 pair count

Product Classification

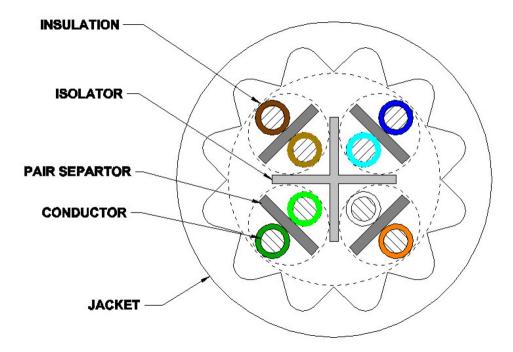
Regional Availability	Asia Australia/New Zealand EMEA Latin America
Portfolio	SYSTIMAX®
Product Type	Twisted pair cable
Product Brand	GigaSPEED X10D®
General Specifications	
Product Number	3095B
ANSI/TIA Category	6A
Cable Component Type	Cordage
Cable Type	U/UTP (unshielded)
Conductor Type, singles	Solid
Conductors, quantity	8
Pairs, quantity	4
Separator Type	Isolator
Transmission Standards	ANSI/TIA-568.2-D
Dimensions	
Diameter Over Jacket, nominal	7.239 mm 0.285 in
Jacket Thickness	1.524 mm 0.06 in
Conductor Gauge, singles	24 AWG

Cross Section Drawing

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Electrical Specifications

Characteristic Impedance	100 ohm
Characteristic Impedance Tolerance	±15 ohm
dc Resistance Unbalance, maximum	4 %
dc Resistance, maximum	9.38 ohms/100 m 2.859 ohms/100 ft
Dielectric Strength, minimum	1500 Vac 2500 Vdc
Mutual Capacitance at Frequency	6.0 nF/100 m @ 1 kHz
Nominal Velocity of Propagation (NVP)	67 %
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
Material Specifications	
Conductor Material	Bare copper

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3095B-4/24

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

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)
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

Packaging and Weights

Cable weight

52.741 kg/km | 35.44 lb/kft

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
CENELEC	

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MGS600

Base Product



GigaSPEED X10D® M-Series Modular Jack, RJ45, Cat6A Unshielded

Product Classification

Regional Availability	Asia Australia/New Zealand EMEA Latin America North America
Portfolio	SYSTIMAX®
Product Type	Modular jack
Product Brand	GigaSPEED X10D®
Product Series	MGS600
General Specifications	
ANSI/TIA Category	6A
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

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MGS600

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

Regulatory Compliance/Certifications

Safety Standard

Regulatory Compliance/Certifications		
Agency	Classification	
ISO 9001:2015	Designed, manufactured and/or distributed under this qua	

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