CCBAD | IP6A-12LUTP-02S-01S

Base Product



InstaPATCH® Cu GigaSPEED X10D® U/UTP LSZH Preterminated Copper Cable, dual row standard density outlet to single 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 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	Information outlet	
Interface Feature, connector B	Single row Standard density	
Link Count	12	
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

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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

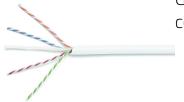
Included Products

3091B-4/23	-	GigaSPEED X10D® 3091B ETL Verified Category 6A U/UTP Cable, 4 pair count,
MGS600	-	GigaSPEED X10D® M-Series Modular Jack, RJ45, Cat6A Unshielded

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COMMSCOPE°



GigaSPEED X10D® 3091B ETL Verified Category 6A U/UTP Cable, 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	3091B
ANSI/TIA Category	6A
Cable Component Type	Horizontal
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 ISO/IEC 11801 Class EA
Dimensions	
Diameter Over Jacket, nominal	7.239 mm 0.285 in
Jacket Thickness	1.295 mm 0.051 in
Conductor Gauge, singles	23 AWG

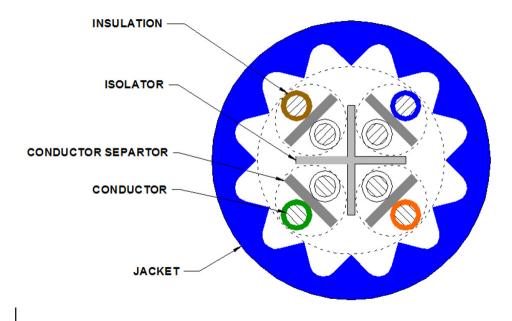
Cross Section Drawing

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3091B-4/23



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)	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

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

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11.34 kg | 25 lb



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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
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

54.913 kg/km | 36.9 lb/kft

Regulatory Compliance/Certifications

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

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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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