

InstaPATCH® Cu GigaSPEED X10D® U/UTP Plenum Preterminated Copper Cable, single row standard density outlet to single row standard density RJ45 plug, 24 links

## Product Classification

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

## Dimensions

<b>Cord Length, minimum</b>	2 m   7 ft
<b>Cord Length, maximum</b>	30 m   98 ft

## Electrical Specifications

<b>ANSI/TIA Category</b>	6A
<b>dc Resistance, maximum</b>	0.30 ohm
<b>Safety Voltage Rating</b>	300 V

## Environmental Specifications

<b>Environmental Space</b>	Plenum
<b>Flammability Rating</b>	UL 94 V-0
<b>Operating Temperature</b>	-10 °C to +60 °C (+14 °F to +140 °F)

## General Specifications

<b>Cable Type</b>	U/UTP (unshielded)
<b>Interface, connector A</b>	Information outlet
<b>Interface, connector B</b>	RJ45 plug
<b>Interface Feature, connector A</b>	Single row   Standard density
<b>Interface Feature, connector B</b>	Single row   Standard

## Mechanical Specifications

<b>Link Count</b>	24
<b>Conductor Type</b>	Solid
<b>Wiring</b>	T568B

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
RoHS 2011/65/EU	Compliant

ISO 9001:2015

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



## Included Products

2095B 4/24 (Product Component—not orderable) — GigaSPEED X10D® 2095B Category 6A U/UTP Cable, plenum, 4 pair count

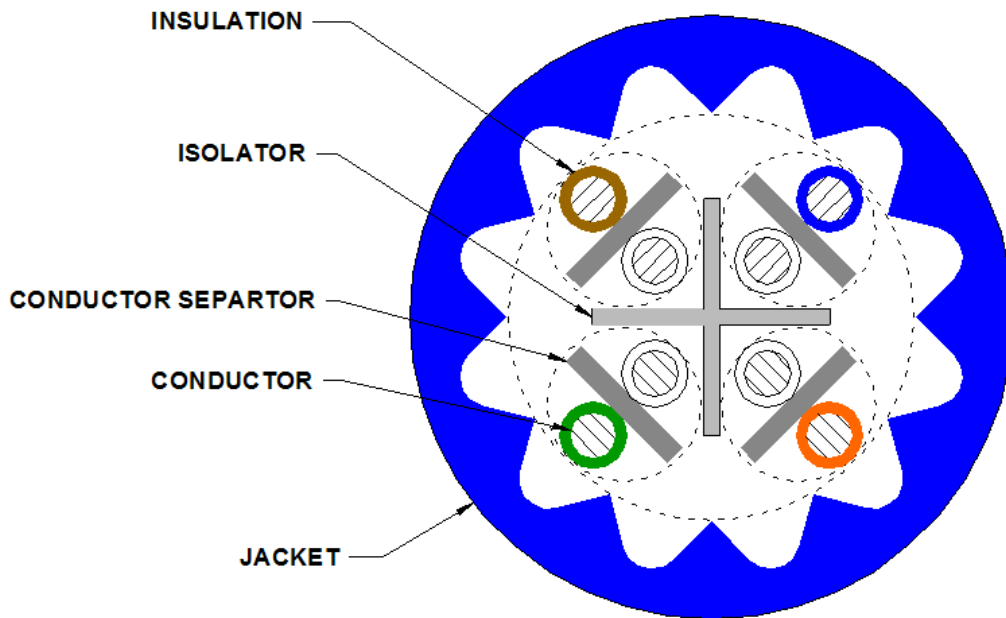
MGS600 (Product Component—not orderable) — GigaSPEED X10D® MGS600 Series Information Outlet

GigaSPEED X10D® 2095B Category 6A U/UTP Cable, plenum, 4 pair count

## Product Classification

<b>Portfolio</b>	SYSTIMAX®
<b>Brand</b>	GigaSPEED X10D®
<b>Product Type</b>	Twisted pair cable
<b>Regional Availability</b>	Asia   Australia/New Zealand   EMEA   Latin America   North America

## Cross Section Drawing



## Construction Materials

<b>Jacket Material</b>	PVC
<b>Conductor Material</b>	Bare copper
<b>Insulation Material</b>	FEP
<b>Separator Material</b>	FEP
<b>Separator 2 Material</b>	Polyolefin

## Dimensions

<b>Cable Weight</b>	41.58 lb/kft
<b>Diameter Over Jacket, nominal</b>	7.239 mm   0.285 in

**Jacket Thickness** 1.524 mm | 0.060 in

## Electrical Specifications

**ANSI/TIA Category** 6A  
**Characteristic Impedance** 100 ohm  
**Characteristic Impedance Tolerance** ±15 ohm  
**dc Resistance Unbalance, maximum** 4 %  
**dc Resistance, maximum** 9.38 ohms/100 m  
**Mutual Capacitance** 6.0 nF/100 m @ 1 kHz  
**Nominal Velocity of Propagation (NVP)** 67 %  
**Operating Frequency, maximum** 550 MHz  
**Operating Voltage, maximum** 80 V  
**Transmission Standards** ANSI/TIA-568-C.2  
**Safety Voltage Rating** 300 V  
**Dielectric Strength, minimum** 1500 Vac | 2500 Vdc

## Environmental Specifications

**Environmental Space** Plenum  
**Flame Test Method** CMP  
**Installation Temperature** 0 °C to +60 °C (+32 °F to +140 °F)  
**Operating Temperature** -20 °C to +60 °C (-4 °F to +140 °F)

## General Specifications

**Cable Type** U/UTP (unshielded)  
**Pairs, quantity** 4  
**Cable Component Type** Cordage  
**Product Number** 2095B  
**Conductor Gauge, singles** 24 AWG  
**Conductor Type, singles** Solid  
**Conductors, quantity** 8  
**Separator Type** Isolator

## Mechanical Specifications

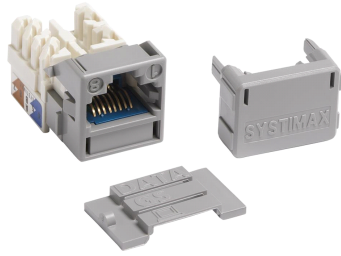
**Pulling Tension, maximum** 11 kg | 25 lb

## Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system



# MGS600



## GigaSPEED X10D® MGS600 Series Information Outlet

### Product Classification

<b>Portfolio</b>	SYSTIMAX®
<b>Brand</b>	GigaSPEED X10D®
<b>Product Type</b>	Modular jack
<b>Regional Availability</b>	Asia   Australia/New Zealand   EMEA   Latin America   North America

### Dimensions

<b>Depth</b>	30.48 mm   1.20 in
<b>Height</b>	20.32 mm   0.80 in
<b>Width</b>	20.32 mm   0.80 in

### Electrical Specifications

<b>ANSI/TIA Category</b>	6A
<b>Contact Resistance Variation, maximum</b>	20 mOhm
<b>Contact Resistance, maximum</b>	100 mOhm
<b>Current Rating</b>	1.5 A @ 20 °C 1.5 A @ 68 °F
<b>Dielectric Withstand Voltage, RMS, conductive surface</b>	1500 Vac @ 60 Hz
<b>Dielectric Withstand Voltage, RMS, contact-to-contact</b>	1000 Vac @ 60 Hz
<b>Insulation Resistance, minimum</b>	500 MOhm

### Environmental Specifications

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

### General Specifications

<b>Cable Type</b>	Unshielded
<b>Package Quantity</b>	1

## Mechanical Specifications

<b>Conductor Gauge, solid</b>	22 AWG   24 AWG
<b>Conductor Gauge, stranded</b>	22 AWG   24 AWG
<b>Conductor Type</b>	Solid   Stranded
<b>Contact Plating Material</b>	Precious metals
<b>Material Type</b>	Copper alloy   High-impact, flame retardant, thermoplastic
<b>Plug Insertion Life, minimum</b>	750 times
<b>Plug Insertion Life, test plug</b>	IEC 60603-7 compliant plug
<b>Plug Retention Force, minimum</b>	30 lbf   133 N
<b>Termination Contact Plating</b>	Nickel
<b>Termination Type</b>	IDC
<b>Wiring</b>	T568A   T568B

## Regulatory Compliance/Certifications

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