

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

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

Dimensions

Cord Length, minimum	2 m 7 ft
Cord Length, maximum	30 m 98 ft

Electrical Specifications

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

Environmental Specifications

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

General Specifications

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

Mechanical Specifications

Link Count	24
Conductor Type	Solid
Wiring	T568B

Regulatory Compliance/Certifications

Agency	Classification
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

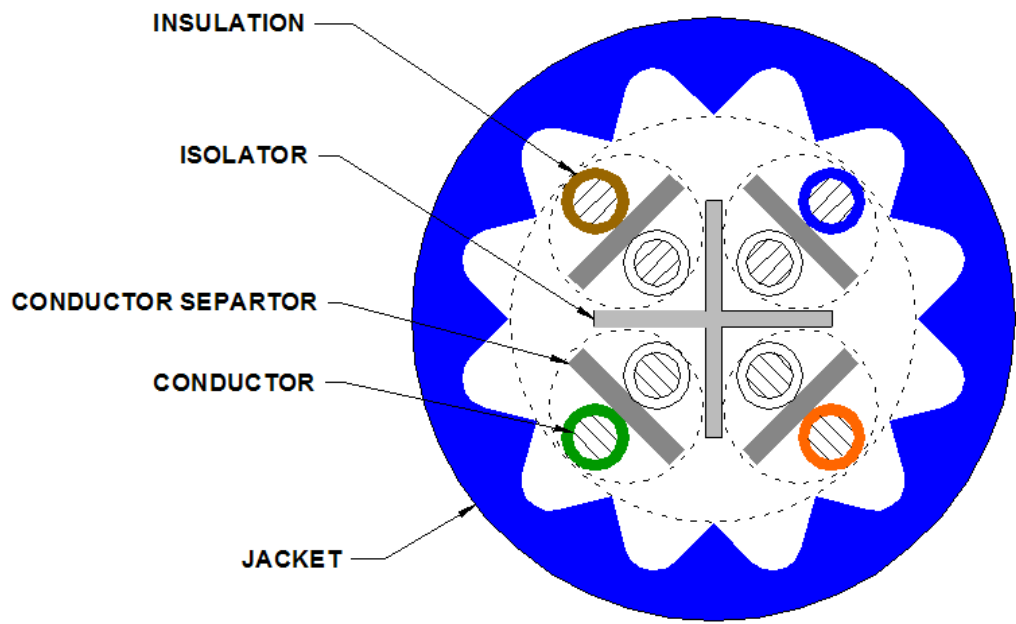
MGS600 (Product Component—not orderable) — GigaSPEED X10D® MGS600 Series Information Outlet

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

Product Classification

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

Cross Section Drawing



Construction Materials

Jacket Material	PVC
Conductor Material	Bare copper
Insulation Material	FEP
Separator Material	FEP
Separator 2 Material	Polyolefin

Dimensions

Cable Weight	41.58 lb/kft
Diameter Over Jacket, nominal	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 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
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

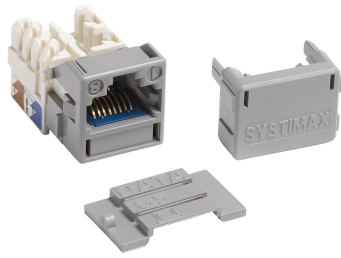
Pulling Tension, maximum 11 kg | 25 lb

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

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

Dimensions

Depth	30.48 mm 1.20 in
Height	20.32 mm 0.80 in
Width	20.32 mm 0.80 in

Electrical Specifications

ANSI/TIA Category	6A
Contact Resistance Variation, maximum	20 mOhm
Contact Resistance, maximum	100 mOhm
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

Environmental Specifications

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

General Specifications

Cable Type	Unshielded
Package Quantity	1

MGS600

Mechanical Specifications

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

Regulatory Compliance/Certifications

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