



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

Unshielded, Green (24 ea/pkg)

- 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
- Universal design and label supports both T568 A & B wiring
- IDC connector terminations on rear of base allow quick and easy installation of 22 to 24 AWG cable
- Can support network line speeds in excess of 1 Gb/s
- Low-profile rear protective strain relief cap, protects against contamination and secures the connection
- Part of CommScope’s initiative of removing single-use plastics which also includes copper panels, jacks, cords and faceplates

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 |

|                                 |                                          |
|---------------------------------|------------------------------------------|
| Color                           | Green                                    |
| Conductor Type                  | Solid   Stranded                         |
| Integrated Dust Cover Type      | None                                     |
| Mounting                        | M Series faceplates and panels           |
| Termination Punchdowns, minimum | 20 times                                 |
| Termination Tool                | 110 Punchdown tool                       |
| Termination Type                | IDC                                      |
| Transmission Standards          | ANSI/TIA-568.2-D   ISO/IEC 11801 Class E |
| Wiring                          | T568A   T568B                            |

Dimensions

|                                                  |                                                         |
|--------------------------------------------------|---------------------------------------------------------|
| Height                                           | 19.2 mm   0.756 in                                      |
| Width                                            | 21.1 mm   0.831 in                                      |
| Depth                                            | 30.2 mm   1.189 in                                      |
| Compatible Cable Diameter, maximum               | 5.8 mm   0.228 in                                       |
| Compatible Insulated Conductor Diameter, maximum | 1.45 mm   0.057 in                                      |
| Contact Plating Thickness                        | 1.27 µm                                                 |
| Compatible Conductor Gauge, solid                | 22–24 AWG   21 AWG (for CommScope GigaREACH cable only) |
| Compatible Conductor Gauge, stranded             | 22–24 AWG                                               |

Electrical Specifications

|                                                       |                                                                                                                                                                                                |
|-------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Contact Resistance, maximum                           | 20 mOhm                                                                                                                                                                                        |
| Current Rating at Temperature                         | 1.5 A @ 20 °C   1.5 A @ 68 °F                                                                                                                                                                  |
| Dielectric Withstand Voltage, RMS, contact-to-contact | 1,000 Vac @ 60 Hz                                                                                                                                                                              |
| Insulation Resistance, minimum                        | 500 MOhm                                                                                                                                                                                       |
| Remote Powering                                       | Fully supports the safe delivery of power over LAN cabling described by IEEE 802.3bt (Type 4) and complies with the unmating under electrical load requirements prescribed by IEC 60512-99-002 |

|                       |                                                                                               |
|-----------------------|-----------------------------------------------------------------------------------------------|
| PoE Durability        | Supports IEEE 802.3bt Type 4 (90 W) applications greater than 3000 plug to jack mating cycles |
| Safety Voltage Rating | 150 Vac                                                                                       |

Material Specifications

|                             |                       |
|-----------------------------|-----------------------|
| Contact Base Material       | Copper-Nickel alloy   |
| Contact Plating Material    | Gold                  |
| IDC Termination Material    | Copper-Aluminum alloy |
| Material Type               | PC+ABS                |
| Termination Contact Plating | Tin                   |

Mechanical Specifications

|                            |                                |
|----------------------------|--------------------------------|
| 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       | cULus                                |

Packaging and Weights

|                    |                                        |
|--------------------|----------------------------------------|
| Packaging Material | Eco-friendly, single-use plastics-free |
| Packaging quantity | 24                                     |
| Packaging Type     | Cardboard box                          |

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 <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a> |
| ROHS          | Compliant                                                                                                                      |
| UK-ROHS       | Compliant                                                                                                                      |

