

# MGS400 Series GigaSPEED® XL Information Outlet

The MGS400 Information Outlet features proprietary crosstalk cancellation techniques for superior Near End Crosstalk (NEXT and PSNEXT) performance that provides unmatched throughput performance when installed as part of a complete GigaSPEED XL channel. The solution is guaranteed to exceed the Category 6/Class E channel specifications for ISO/IEC and TIA, even under the worst case channel configuration.

## Features and Benefits:

- Snaps into any M-Series modular faceplate, frame or surface-mount box
- Can be mounted either at 90 degrees (straight) or 45 degrees (angled)
- Angled feature eliminates the need for special faceplates
- Multicolored identification labels assure fast, accurate installation
- Low-profile wire cap protects against contamination and secures connections
- The MGS400 outlet uses either T568A or T568B wiring
- The cap kit contains 25 natural colored cable ties and 25 clear colored MGS covers with strain relief.

## Physical Specifications:

**Dimensions:** HxWxD: 0.8 in x 0.8 in x 1.2 in (2.0 cm x 2.0 cm x 3.1 cm)  
Universal A/B labeling

**Plastic Material:** High-impact, flame retardant, thermoplastic

**Flammability Rating:** UL-rated 94 V-0

**Operating Temperature:** 14°F to 140°F (-10°C to 60°C)

**Storage Temperature:** -40°F to 158°F (-40°C to 70°C)

**Humidity:** 95% (non-condensing)

**Contact Material & Plating:** Copper alloy, 100 micro-inch (2.54 microns) bright solder over 100 micro-inch (2.54 microns) nickel underplate.  
Insulation displacement connectors accept solid or stranded wire

**Nominal Solid Conductor Diameter:** 0.016 in to 0.025 in  
(0.40 mm to 0.64 mm) (26 to 22 AWG)

**Nominal Stranded Conductor Diameter:** 0.020 in to 0.025 in  
(0.51 mm to 0.64 mm) (24 to 22 AWG)

**Insulation Size:** 0.030 in to 0.046 in (0.76 mm to 1.17 mm)

**Insulation Type:** All plastic insulates, including: Polyethylene, Polypropylene, PTFE, Polyurethane, Nylon and FEP

**Outlet Wires:** Copper alloy,  
50 micro-inch (1.27 microns) hard gold  
plating over 100 micro-inch (2.54 microns) nickel underplate

**Plug Retention Force:** 30 lbs (133 N) minimum between modular plug and jack

**Plug Insertion Life:** 750 minimum insertions of an 8-position IEC 60603-7 compliant plug

**Plug/Jack Contact Force:** 100 grams minimum per contact using FCC approved plug

## Electrical Specifications:

**Insulation Resistance:** 500 MΩ minimum

**Current Rating:** 1.5 A at 68°F (20°C)

**TIA/EIA Category:** 6

**Dielectric Withstand Voltage:** 1,000 VAC RMS, 60 Hz minimum, contact-to-contact and 1,500 VAC RMS, 60 Hz minimum to exposed conductive surface

**UL and cUL Listed**



MGS400-318 and MGS400-262



Kit: Cap with Strain Relief for MGS Outlet

Product Number	Color	Qty/Pkg	Material ID
MGS400-003	Black	1	700206667
MGS400-112	Orange	1	700206683
MGS400-123	Yellow	1	700206691
MGS400-226	Green	1	700206709
MGS400-262	White	1	700206725
MGS400-317	Red	1	700206741
MGS400-318	Blue	1	700206758
MGS400-361	Violet	1	700206675
MGS400-215	Misty Cream	1	760070326
MGS400-246	Ivory	1	700206717
MGS400-270	Gray	1	700206733
MGS400-317-K (Keyed)	Red	1	760006361
MGS400-318	Blue	100	760041996
MGS400-003	Black	100	760041962
MGS400-262	White	100	760041988
MGS400-246	Ivory	100	760041970
MGS400BH-BULK-112	Orange	100	760077156
Handheld Terminating Device	Black	25	760034215
Kit: Cap with Strain Relief for MGS Outlet	Clear	25	760056069

