

# Cable tray glass tray specifications

## Article Overview

Glass/fiberglass cable trays are designed for high-corrosion and industrial environments, offering NEMA-compliant safety, long-span capability, and customizable resin and flange options.

## Material and Construction

Glass or fiberglass cable trays, such as Cope-GLAS systems, are manufactured using polyester or vinyl ester resin, providing excellent corrosion resistance and durability in chemical, petrochemical, and industrial environments . The trays can be supplied with solid bottoms or ladder-style rungs, and some models allow fiberglass struts as alternating rungs for additional support .

## Load Capacity and Safety

All Cope-GLAS cable trays are designed with a 1.5 safety factor, meeting the NEMA FG 1 standard, which ensures the tray can support 1.5 times the allowable working load . Low-profile trays, such as Type LC, have a three-inch cable loading depth, suitable for lighter control wiring and smaller cable runs .

## Flange and Installation Options

- o Flange-in and flange-out styles are available to accommodate space constraints and wall mountings .
- o "E" siderail profiles are flange-in designs, ideal for closely spaced parallel runs .
- o Sections are pre-drilled to accept splice plate fasteners, simplifying installation .
- o Covers can be solid fiberglass bonded to the bottom for additional protection .

## Environmental and Fire Considerations

Glass/fiberglass trays are suitable for tunnels, chemical plants, and other harsh environments due to their resistance to corrosion, chemicals, and fire . They are designed to minimize heat buildup and protect cables in sensitive installations .

## Summary

Glass/fiberglass cable trays provide a durable, corrosion-resistant, and NEMA-compliant solution for industrial and chemical applications. They offer flexible installation options, solid or ladder bottoms, and resin choices to meet specific environmental and load requirements, making them ideal for long-term cable management in challenging conditions .



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or the availability of

**CONCENTRATED STATIC LOADS:** Some applications may require the cable tray to support the weight of a single, dead object in

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