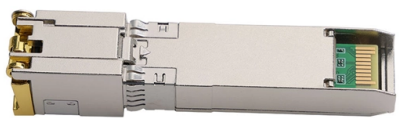


Cable tray support model and specification table



AI Overview

Cable tray support spacing and specifications depend on tray type, material, load class, and installation environment.

Typical Cable Tray Support Specifications

Tray Type	Material	Load Class / Rating	Maximum Support Span	Notes / Installation Guidelines
Ladder Tray	Steel / Stainless Steel	Light, Medium, Heavy	1.5–3 m (5–10 ft)	depending on load Supports mounted on walls, ceilings, or floors; rung spacing 150–230 mm recommended for instrumentation cables
Solid Bottom Tray	Steel / Aluminum	Light, Medium	1–2.5 m (3–8 ft)	Provides protection against dust and electromagnetic interference; solid cover recommended for heat-sensitive cables
Ventilated Tray	Steel / Aluminum	Light, Medium	1.5–3 m (5–10 ft)	Allows airflow to prevent heat buildup; suitable for power and control cables
Wire Mesh / Channel Tray	Steel / Stainless Steel	Light	1–2 m (3–6 ft)	Ideal for light instrumentation and control cables; flexible routing; supports every 1–2 m

Key Considerations for Cable Tray Supports

- **Material and Finish:** Steel trays may be pre-galvanized, hot-dip galvanized, or stainless steel (AISI 316L) for corrosion resistance; aluminum trays offer high corrosion resistance and lighter weight .
- **Load Class:** Defines the maximum weight the tray can carry over a given span. Light, medium, and heavy load classes are used to select support spacing .
- **Support Spacing:** Determined by tray type, material, and load. Ladder and ventila...

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