The 2x2 and 4x4 routing systems shall be used to route, segregate, and protect fiber optic and communication cabling. The solid wall routing systems should be UL Listed as an optical fiber channel for general purpose use. They shall be compliant with UL 2024A and NEC articles 770 and 800 when installed per instructions. The slotted wall channel and cover shall be UL Recognized. A full complement of fittings with a 2" minimum bend radius, snap-on covers, and mounting brackets shall be available. Channel and fittings shall be manufactured from impact-resistant and flame retardant (V-0) materials. Channel shall have non-slip snap-on covers that can be easily removed to allow access for moves, adds, and changes. Channel and fittings finish shall be pure color, resist scratches, dents, and not peel or corrode. Available system colors shall be yellow, orange, black, and light gray. A full complement of brackets shall be available for attaching system components to ladder rack, threaded rod, auxiliary framing, equipment racks, and raise floor pedestals.

**Key features and benefits**

- **Large capacity 2" x 2" and 4" x 4" sizes**
  - Ideal for routing, segregating, and protecting large amounts of fiber cabling; provides a more secure installation for fiber or high performance copper cabling.

- **Minimum 2" bend radius control fittings**
  - Bend radius control in fittings helps prevent excessive bends in fiber optic and high performance copper cabling.

- **Snap-on covers**
  - Covers snap on or off channel and fittings to enclose or gain access to system; fully encloses the channel to provide protection per UL 2024A; provides quick and easy access for moves, adds, and changes.

- **Mates to Panduit cable management rack panels**
  - Provides methods to mate system to equipment mounted on standard EIA 19" or 23" equipment racks and vertical cable managers.

**Applications**

The Fiber-Duct™ 2x2 and 4x4 Routing Systems are comprised of channel, fittings, and brackets designed to segregate, route, and protect fiber optic cable and copper cabling. It is sold for specific applications where cable is routed from distribution areas to equipment cabinets or racks. It is used in Telco Central Offices to route fiber optic jumper cables between fiber distribution frames and equipment bays. It can be deployed over the racks or in approved under floor applications. Fittings maintain a minimum 2" bend radius to protect against signal loss due to excessive cable bends. Available system colors are yellow, orange, black, and light gray to differentiate various types of cabling. A full complement of brackets is available to attach system components to support structures found in all applications. The Fiber-Duct™ 2x2 and 4x4 Routing Systems are part of the Panduit complete fiber management system, which includes the FiberRunner®, 24x4, 12x4, 6x4, 4x4, and 2x2 Routing Systems, cable management, and racks.
**Substitute: YL = Yellow, OR = Orange, BL = Black, and LG = Light Gray.**

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