FiberRunner® 4x4 Routing System

**Specifications**

The 4x4 routing system shall be a system of channel, fittings, and brackets designed to segregate, route, and protect fiber optic and high performance copper cabling. Channel and fittings shall be assembled using pre-assembled couplers. A selection of spillout options shall be available that easily attach using the vertical tee. Fittings maintain a minimum 2” bend radius to protect against signal loss due to excessive cable bends. Available system colors shall be yellow, orange, and black. A full complement of brackets shall be available for attaching system components to ladder rack, threaded rod, auxiliary framing, strut, equipment racks, cabinets, and raised floor pedestals.

**Technical Information**

Dimensions are in inches (Dimensions in parentheses are metric).

- **Open channel**
  - 50% fill capacity: 1.8mm, 2.0mm, 3.0mm
  - Category 6: 6.35mm
  - Category 6A: 7.57mm
  - Fiber Optic: 5.20mm, 3.0mm

- **Material:**
  - Rigid PVC (Channel), ABS (Fittings)

- **Flammability:**
  - 90V-0

- **Approvals:**
  - UL Listed to 2024A Optical Fiber Cable Routing Assemblies
  - GR-63-CORE Network Equipment Building Systems Level 3

**CS1 spec form:** LP-CSISPEC-FR

**Key Features and Benefits**

- **Fastest installations**
  - No bolts need to be tightened and no tools are required when installing the QuikLock™ Couplers; QuikLock™ Couplers and Brackets take less than five seconds to make a mechanically secure connection

- **Easy to maintain**
  - Hinged channel cover installs easily and fully encloses the channel for cable protection; split hinged channel cover creates radiused 3/4” (19mm) opening for easy access to add or remove cables; the 4x4 hinged and split hinged channel covers will stay open between 30° and 90° to allow cable access even in height restricted areas

- **Fittings, Split Covers, and Spillouts**
  - Split covers include the FiberRunner® 24x4, 12x4, 6x4, and 2x2 Routing Systems, the Fiber-Duct® 4x4 and 2x2 Cable Manager Kit:
    - 4-way cross:
      - FRF4C4X4™
      - FRF4CSC4™
    - 4-way cross cover:
      - FRF4C4X4™
      - FRF4CSC4™
    - End cap:
      - FREC4X4™
      - FRV4RA4X4™
    - Inside vertical 90°:
      - FIV4RA4X4™
      - FROV454X4™
    - Outside vertical 45°:
      - FROV454X4™
      - FROVRA4X4™
    - Outside vertical 90° cover:
      - FROVRA4X4™
      - FROVRA4X4™

- **System Strength**
  - Robust system of channel, covers, fittings and other non-metallic system components, protect cable from physical damage; system includes full range of directional and spillout fittings

- **Versatility**
  - Multiple spill out options include spill-over fittings and the vertical tee which accepts a three sided trumpet, transition to corrugated tubing and Panduit® FiberRunner® and Fiber-Duct™ Systems

**Applications**

The FiberRunner® 4x4 Routing System is a system of channel, fittings and brackets designed to segregate, route, and protect fiber optic and high performance copper cabling. It is suited for data center 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. Channel and fittings are assembled using timesaving Panduit® QuikLock® Couplers. A selection of spillout options is available that easily attach using the vertical tee. Fittings maintain a 2” bend radius to protect against signal loss due to excessive cable bends. Available system colors are yellow, orange and black to differentiate various types of cabling. A full complement of QuikLock™ Brackets is available to attach system components to support structures found in all applications.

*ADC’s 4x4 FiberGuide Management System is a product of ADC Telecommunications, Inc.*

**Substitute:YL = Yellow, OR = Orange, BL = Black**

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