HUBBELL OptiChannel

# Enhanced Performance Optical Fiber System

Fiber

- Factory Tested, Premium Ceramic Components, and Bend-Insensitive Laser-Optimized Fiber Cable

- Installation Made Easy with PROclick® Pre-Polished Connectors, Pre-Terminated Cassettes and Custom Fiber Trunk Assemblies

- Full 10GBASE-S/LX Application Assurance to IEEE 802.3 Fiber Channel Distance Limits

- Compact Optical Cabling Systems with Low Power Consumption Save Space and Energy

Hubbell's OptiChannel fiber cabling systems provide a reliable end-to-end solution for local, wide area and data center network deployments. Interconnecting building backbone, campus, data center and fiber to the desktop, Hubbell's warranty-backed fiber channel products assure long-term reliability in delivering 10G applications and beyond.
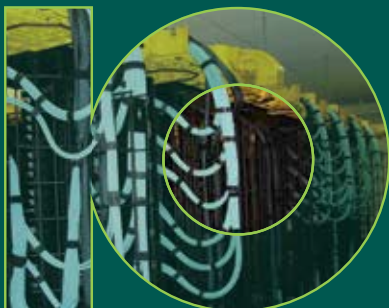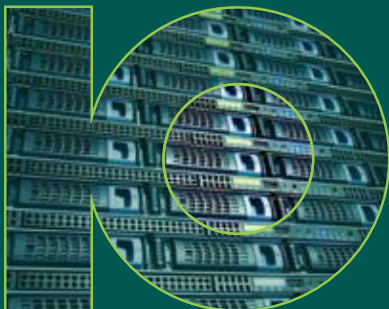
Features

- Precision modular panels and MPO cassettes offer high performance and rapid deployment
- High yield PROclick® LC and SC pre-polished connectors terminate in less than 60 seconds
- New line of cable with premium optical fiber exceeds all TIA, ICEA, and UL standards
- Patch cords and trunk assemblies test below TIA limits, minimizing channel insertion loss
- New small form patch cords have a 1.8 mm cable diameter to minimize cable congestion

Applications

- Extended 10G fiber distances:
  - 300 meters (984 ft) over OM3 fiber
  - 550 meters (1,804 ft) over OM4 fiber
  - 10,000 meters (3,047 ft) over OS2 fiber
- Building backbone and horizontal fiber cabling
- Data center SAN/switch optical network fabric
- Government, medical, education, financial

Specifications

- TIA-568-C.3: fiber cabling and components standard
- TIA-604-FOCIS: connector geometry and mating specifications
- TIA-492: optical fiber specifications (OM1, OM2, OM3, OM4, OS2)
- UL-V0: flame rating for component materials
- UL 910: plenum cable flame rating
- UL-1666: riser cable flame rating
- ICEA S-83-596: standard for indoor distribution cable
- ICEA S-104-696: standard for indoor/outdoor riser cable
- EIA 310-D: standard for racks, cabinets, and enclosures

CISCO PARTNER Technology Developer

Hubbell is a Solution Developer Partner within the Cisco Developer Network Program

HUBBELL® Premise Wiring

PROclick® LC and SC Connectors, Packs of 12

Description	Catalog No.
LC, OM3	**FCLC900K50GM12**
LC, SM	**FCLC900KSM12**
SC, OM1	**FCSC900K62M12**
SC, OM3	**FCSC900K50GM12**
SC, SM	**FCSC900KSM12**
SC, SM, APC	**FCSC900KASM12**

*Note: For 100 packs, replace "**12**" with "**100**" in Catalog No.*

MPO to LC Cassettes: Stocked, 100% Factory Tested
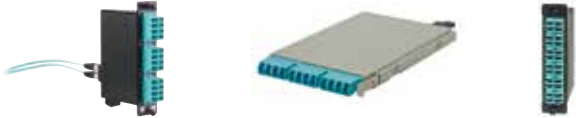
Description	Catalog No.
LC Duplex, 12-Port, OM3	**OCLC50G**
LC Duplex, 12-Port HD, OM3	**OCLCHD50G3**
LC Duplex, 24-port, OM3	**OCLCD50G**
LC Quad, 24-port OM3	**OCLCQ50G**
LC Duplex, 12-Port OS2	**OCLCSM**

FSP-Series LC Ceramic Patch Panels: Stocked

Description	Catalog No.
LC Duplex, 12-Port, Aqua	**FSPLCDS6AQ**
LC Duplex, 24-Port, Aqua	**FSPLCDS12AQ**
LC Quad, 24-Port, Aqua	**FSPLCQS6AQ**
LC Quad, 24-Port, Yellow	**FSPLCQS6Y**
LC Duplex, 12-Port, Blue	**FSPLCDS6B**
LC Duplex, 12-Port, Yellow	**FSPLCDS6Y**
SC Duplex, 12-Port, Aqua	**FSPSCDS6AQ**
SC Duplex, 12-Port, Blue	**FSPSCDS6B**
SC Duplex, 12-Port, Yellow	**FSPSCDS6Y**

New Riser Duplex Patch Cords: Fast Delivery

Description	Catalog No.
LC to LC, OM3	**DFRCLCLCExMM**
LC to MSFP, OM3	**MSFPLC50G3Mx**
LC to SC, OM3	**DFRCLCSCExMM**
SC to SC, OM3	**DFRCSCSCExMM**
LC to LC, OS2	**DFRCLCLCSxSM**
SC to SC, OS2	**DFRCSCSCSxSM**
SC to SC, APC, OS2	**DFRCSCASCSASxSM**

*Note: **x** = 1 to 10 meter riser, **x** = 1 to 25 meter plenum.*
*For Plenum, replace "**DFRC**" with "**DFPC**".*

New Hubbell Cable Line: Sold in Feet, Fast Delivery
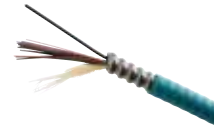
Description	Catalog No.
Indoor, Tight Buffer	**HFCD1 Series**
Indoor, TB, Armored	**HFCD15 Series**
Indoor/Outdoor, Tight Buffer	**HFCD14 Series**
Indoor/Outdoor, TB Armored	**HFCD19 Series**

MPO Fiber Trunks and Transition Assemblies

- Custom Made to Order, 100% Factory Tested
- OM3, OM4, and OS2 Fiber
- Strand counts: 12, 24, 48, 72, 96, and 144 Fiber
- Plenum or Riser
- Non-Armored or Armored
- Any length and polarity, with custom labeling
- Contact Hubbell Premise Wiring to configure

MPO to MPO 48-Strand Trunk Assembly

MPO to LC 12-Strand Transition Assembly