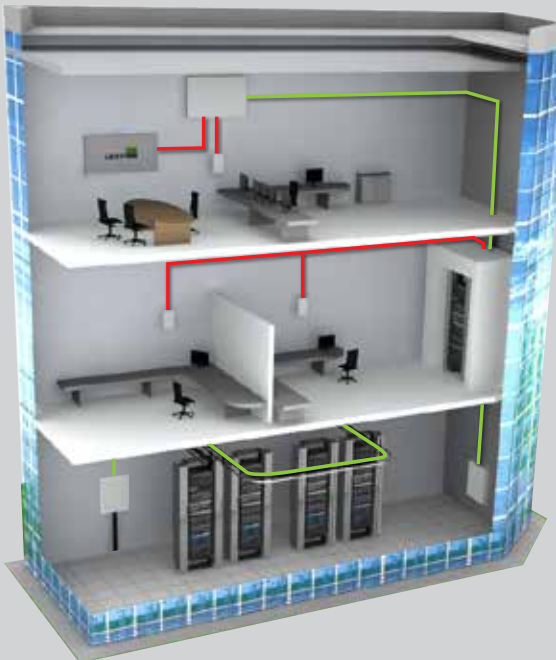


Selecting the Right Fiber Infrastructure for Your Enterprise Network



Opt-X® SDX enclosures, adapter plates, splice modules, cable assemblies and accessories, along with Berk-Tek cable, offer enhanced connectivity and storage for enterprise applications. These systems are available as pre- and field-terminated options to simplify cable routing and organization while supporting fast installations.

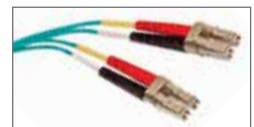
Whether deploying an interconnect or cross-connect channel, our solutions ensure optimal connectivity from the equipment room to the telecom room.

This guide helps you choose the right connectivity and cable for networks requiring field connector terminations or fusion splicing.

| | |
|--|-----------------------------------------------------------------|
| | Copper Network Cable |
| | Premises Fiber Distribution or Loose-Tube Indoor Backbone Cable |

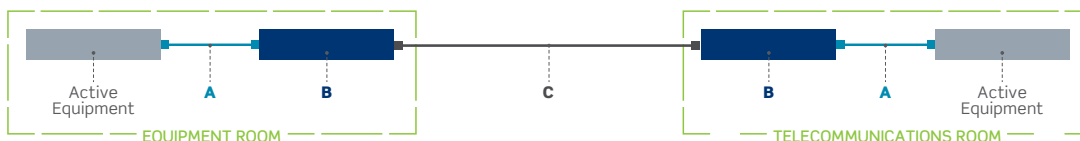
Assembling the Channel

Versatile connectivity solutions and high-performing cable complete your interconnect or cross-connect fiber channel. OM3 or OM4 fiber provides a cost-effective solution for distances up to 300 meters (OM3) or 550 meters (OM4) for 10 Gb/s network speeds. For longer distances, OS2 fiber is recommended.



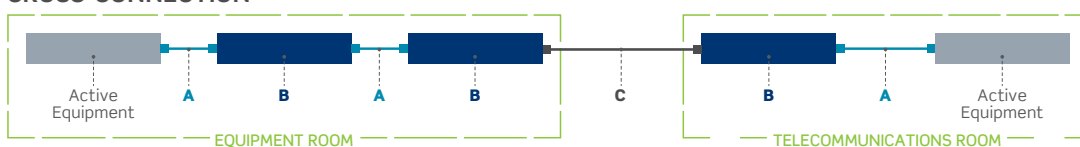
A = Patch Cord

INTERCONNECTION



B = Enclosure, Adapter Plates, Pigtails, Splice Trays, and Connectors

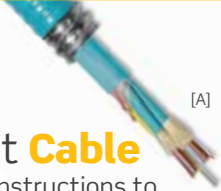
CROSS-CONNECTION



C = Fiber Cable

Complete Solution for FIELD CONNECTOR TERMINATION

1



[A]

Select Cable

Cable constructions to suit specific plenum, riser and LSZH environments

| Cable | Fiber | Type | w/Armor-Tek™ Interlock Armor | Non-Armored |
|----------------------------------|-------|--------------|-----------------------------------------------------|---------------------------------------------------|
| [A] Premises Distribution Plenum | 6-144 | Tight Buffer | PDPKxxxff-I/O (6-24F) PDPK12Bxxxff-I/O (36-144F) | PDPxxxff-I/O (6-24F) PDP12Bxxxff-I/O (36-144F) |
| Premises Distribution Riser | 6-144 | Tight Buffer | PDRKxxxff-I/O (6-24F) PDRK12Bxxxff-I/O (36-144F) | PDRxxxff-I/O (6-24F) PDR12Bxxxff-I/O (36-144F) |
| Adventum® Plenum | 6-432 | Loose Tube | LTPKxxxff (6-12F) LTPK12Bxxxff (24-432F) | LTPxxxff (6-12F) LTP12Bxxxff (24-432F) |
| Adventum Riser | 6-432 | Loose Tube | LTRKxxxff (6-12F) LTRK12Bxxxff (24-432F) | LTRxxxff (6-12F) LTR12Bxxxff (24-432F) |

xxx = Fiber count
ff = Fiber type: "AB" - OS2, "EB" - OM3, "FB" - OM4
All cables above are suitable for I/O application.

2



[B]

Select your Enclosure

From easy-to-install, cost-effective systems to sleek, high-density solutions

| Enclosures | Maximum Capacity | | Part No. | |
|------------|--------------------------------------------------------|----------------|----------|-----------|
| | LC Fibers | Adapter Plates | | |
| 1RU | [B] 2000i SDX, empty, with sliding tray | 72 | 3 | 5R1UH-S03 |
| | 1000i SDX, empty | 72 | 3 | 5R1UM-F03 |
| | 1000i SDX, empty, with sliding tray | 72 | 3 | 5R1UM-S03 |
| | 500i SDX, empty, flush mount | 72 | 3 | 5R1UL-F03 |
| 2RU | 2000i SDX, empty, sliding tray | 144 | 6 | 5R2UH-S06 |
| | 1000i SDX, empty, metal door | 144 | 6 | 5R2UM-F06 |
| | 1000i SDX, empty, metal door, with sliding tray | 144 | 6 | 5R2UM-S06 |
| | 500i SDX, empty, flush mount | 144 | 6 | 5R2UL-F06 |
| 3RU | 1000i SDX, empty, metal door (vertical adapter/module) | 288 | 12 | 5R3UM-F12 |
| | 500i SDX, empty, flush mount | 288 | 12 | 5R3UL-F12 |
| WALL MOUNT | Mini SDX Enclosure, empty with door, no lock | 24 | 1 | 5WMNT-01C |
| | Small SDX Enclosure, empty with dual door, no lock | 48 | 2 | 5WSML-02C |
| | Medium SDX Enclosure, empty with dual door, no lock | 96 | 4 | 5WMED-04C |
| | Large SDX Enclosure, empty with dual door, no lock | 288 | 12 | 5WLRG-12C |

3



[C]

Select Adapter Plates

Precision molded adapter plates support up to 72 LC fibers per RU

| Adapter Plates | Part No. | |
|----------------|--------------------------------------------------------------------|-----------|
| LC | [C] 12-fiber, OM3 & OM4, duplex LC (aqua), zirconia ceramic sleeve | 5F100-2QL |
| | 12-fiber, OS2, duplex LC (blue), zirconia ceramic sleeve | 5F100-2LL |
| | 24-fiber, OM3 & OM4, quad LC (aqua), zirconia ceramic sleeve | 5F100-4QL |
| | 24-fiber, OS2, quad LC (blue), zirconia ceramic sleeve | 5F100-4LL |
| SC | 12-fiber, OM3 & OM4, duplex SC (aqua), zirconia ceramic sleeve | 5F100-2QC |
| | 12-fiber, OS2, duplex SC, (blue), zirconia ceramic sleeve | 5F100-2LC |
| Blank | 5F100-PLT | |

4



[D]

Select Connectors

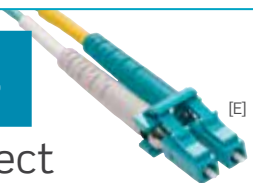
Enable fast termination for quick network deployment

| Connectors | Part No. | |
|------------|--------------------------------------------------------|------------|
| LC | Fast-Cure Anaerobic Adhesive, OM3/OM4, with 0.9mm boot | 49990-LDL |
| | Fast-Cure Anaerobic Adhesive, OS2, with 0.9mm boot | 49990-SDL |
| | [D] FastCAM Pre-Polished, OM3/OM4 | 49991-LLC^ |
| | FastCAM Pre-Polished, OS2 | 49991-SLC^ |
| SC | Fast-Cure Anaerobic Adhesive, OM3/OM4 | 49990-LSC |
| | Fast-Cure Anaerobic Adhesive, OS2 | 49990-SSC |
| | FastCAM Pre-Polished, OM3/OM4 | 49991-LSC^ |
| | FastCAM Pre-Polished, OS2 | 49991-SSC^ |

^ = All FastCAM require a precision cleaver.

| Patch Cords | Part No. | |
|-------------|-------------|-----------|
| LC | OM3, 2M | 5LDLC-M02 |
| | [E] OM3, 3M | 5LDLC-M03 |
| | OS2, 2M | UPDLC-S02 |
| SC | OS2, 3M | UPDLC-S03 |
| | OM3, 2M | 5LDSC-M02 |
| | OM3, 3M | 5LDSC-M03 |
| | OS2, 2M | UPDSC-S02 |
| OS2, 3M | UPDSC-S03 | |

5



[E]

Select Patch Cords

Supports any interconnect or cross-connect application

| Fan-Out Kit | Part No. |
|---------------------------------------|-----------|
| 36" Fiber Optic Fan-out Kit, 6-fiber | 49887-06L |
| 36" Fiber Optic Fan-out Kit, 12-fiber | 49887-12L |

Use with loose-tube cable

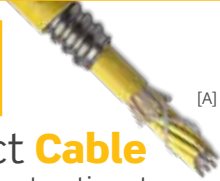
Additional configurations available.
Contact inside sales at (800) 722 2082.

Complete Solution for FIELD FUSION SPLICING

1

Select Cable

Cable constructions to suit specific plenum, riser and LSZH environments



[A]

2

Select your Enclosure

From easy-to-install, cost-effective systems to sleek, high-density solutions



[B]

3

Select Adapter Plates

Precision molded adapter plates support up to 72 LC fibers per RU

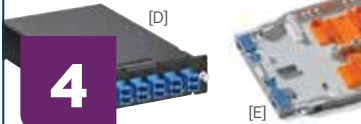


[C]

4

Select Splice Modules or Trays

Faster, safer, and simple management of pigtails

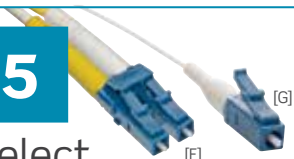


[E]

5

Select Patch Cords or Pigtails

Supports any interconnect or cross-connect application



[F]

| Cable | Fiber | Type | w/Armor-Tek™ Interlock Armor | Non-Armored |
|------------------------------|-------|--------------|-------------------------------------------------------|-----------------------------------------------------|
| Premises Distribution Plenum | 6-144 | Tight Buffer | PDPKxxxxff-I/O (6-24F) PDPK12Bxxxxff-I/O (36-144F) | PDPxxxxff-I/O (6-24F) PDP12Bxxxxff-I/O (36-144F) |
| Premises Distribution Riser | 6-144 | Tight Buffer | PDRKxxxxff-I/O (6-24F) PDRK12Bxxxxff-I/O (36-144F) | PDRxxxxff-I/O (6-24F) PDR12Bxxxxff-I/O (36-144F) |
| [A] Adventum® Plenum | 6-432 | Loose Tube | LTPKxxxxff (6-12F) LTPK12Bxxxxff (24-432F) | LTPxxxxff (6-12F) LTP12Bxxxxff (24-432F) |
| Adventum Riser | 6-432 | Loose Tube | LTRKxxxxff (6-12F) LTRK12Bxxxxff (24-432F) | LTRxxxxff (6-12F) LTR12Bxxxxff (24-432F) |

xxx = Fiber count
ff = Fiber type: "AB" - OS2, "EB" - OM3, "FB" - OM4
All cables above are suitable for I/O application.

| Enclosure | Maximum Capacity | | Part No. | |
|------------|--------------------------------------------------------|------------------------------------------|----------|-----------|
| | LC Fibers | Adapter Plates & Splice Modules or Trays | | |
| 1RU | 2000i SDX, empty, with sliding tray | 72 | 3 | 5R1UH-S03 |
| | 1000i SDX, empty | 72 | 3 | 5R1UM-F03 |
| | 1000i SDX, empty, with sliding tray | 72 | 3 | 5R1UM-S03 |
| | 500i SDX, empty, flush mount | 72 | 3 | 5R1UL-F03 |
| 2RU | 2000i SDX, empty, sliding tray | 144 | 6 | 5R2UH-S06 |
| | [B] 1000i SDX, empty, metal door | 144 | 6 | 5R2UM-F06 |
| | 1000i SDX, empty, metal door, with sliding tray | 144 | 6 | 5R2UM-S06 |
| | 500i SDX, empty, flush mount | 144 | 6 | 5R2UL-F06 |
| 3RU | 1000i SDX, empty, metal door (vertical adapter/module) | 288 | 12 | 5R3UM-F12 |
| | 500i SDX, empty, flush mount | 288 | 12 | 5R3UL-F12 |
| WALL MOUNT | Mini SDX Enclosure, empty with door, no lock | 24 | 1** | 5WMNT-01C |
| | Small SDX Enclosure, empty with dual door, no lock | 48 | 2 | 5WSML-02C |
| | Medium SDX Enclosure, empty with dual door, no lock | 96 | 4 | 5WMED-04C |
| | Large SDX Enclosure, empty with dual door, no lock | 288 | 12 | 5WLRG-12C |

** Up to 24F splicing available

| Adapter Plates | | Part No. |
|----------------|----------------------------------------------------------------|-----------|
| LC | 12-fiber, OM3 & OM4, duplex LC (aqua), zirconia ceramic sleeve | 5F100-2QL |
| | [C] 12-fiber, OS2, duplex LC (blue), zirconia ceramic sleeve | 5F100-2LL |
| | 24-fiber, OM3 & OM4, quad LC (aqua), zirconia ceramic sleeve | 5F100-4QL |
| | 24-fiber, OS2, quad LC (blue), zirconia ceramic sleeve | 5F100-4LL |
| SC | 12-fiber, OM3 & OM4, duplex SC (aqua), zirconia ceramic sleeve | 5F100-2QC |
| | 12-fiber, OS2, duplex SC, (blue), zirconia ceramic sleeve | 5F100-2LC |
| Blank | | 5F100-PLT |

| Fiber Splice Modules | Part No. |
|---------------------------------------------------------------|-----------|
| 12-Fiber, OM3, LC Splice Module (includes splice sleeves) | SPLCS-12A |
| [D] 12-Fiber, OS2, LC Splice Module (includes splice sleeves) | SPLCS-12L |
| 12-Fiber, OM3, SC Splice Module (includes splice sleeves) | SPSCS-12A |
| 12-Fiber, OS2, SC Splice Module (includes splice sleeves) | SPSCS-12L |

| Precision-Molded Splice Trays (includes splice sleeves) | Part No. |
|---------------------------------------------------------|-----------|
| 12-Fiber Mini, 3.74" x 5.59" x 0.56" | T5PLS-12F |
| [E] 24-Fiber High-Density, 4.5" x 7.63" x 0.50" | T5PLS-24F |

| Patch Cords | | 2M | 3M |
|-------------|---------|-----------|-----------|
| LC | OM3 | 5LDLC-M02 | 5LDLC-M03 |
| | [F] OS2 | UPDLC-S02 | UPDLC-S03 |
| SC | OM3 | 5LDSC-M02 | 5LDSC-M03 |
| | OS2 | UPDSC-S02 | UPDSC-S03 |

| Pigtails | | Part No. |
|----------|-------------------------|-----------|
| LC | OM3, 3M | 5LPLC-M03 |
| | Kit, OM3, 3M, 12 Colors | 5LPLC-KIT |
| | [G] OS2, 3M | UPPLC-S03 |
| | Kit, OS2, 3M, 12 Colors | UPPLC-KIT |
| SC | OM3, 3M | 5LPSC-M03 |
| | OS2, 3M | UPPSC-S03 |

Additional configurations available.
Contact inside sales at (800) 722 2082.

Today's networks must be fast and reliable, with the flexibility to handle ever-increasing data demands. Leviton can help expand your network possibilities and prepare you for the future. Our end-to-end cabling systems feature robust construction that reduces downtime, and performance that exceeds standards. We offer quick-ship make-to-order solutions from our US and UK factories. We even invent new products for customers when the product they need is not available. All of this adds up to the **highest return on infrastructure investment.**

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