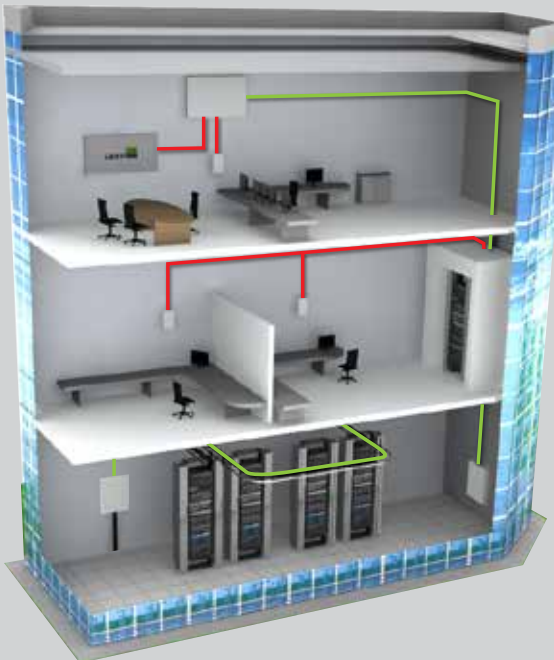


Selecting the Right Fiber Infrastructure for Your Enterprise Network



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.

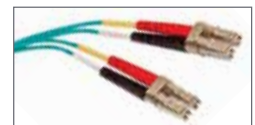
Whether deploying an interconnect or cross-connect channel, our solutions ensure optimal connectivity from the equipment room to the telecom room.

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

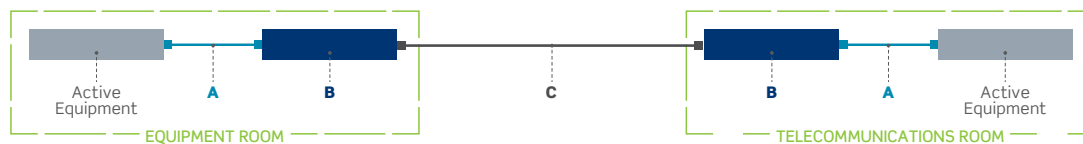
Assembling the Channel

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.



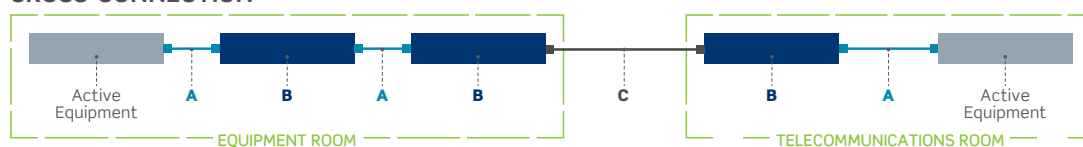
A = Patch Cord

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) PDRK12Bxxxff-I/O (36-144F)	PDPxxxff-I/O (6-24F) PDR12Bxxxff-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

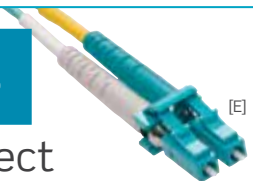
Enable fast termination for quick network deployment

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

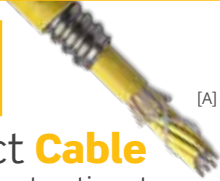
Additional configurations available.
Contact inside sales at (800) 722 2082.

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

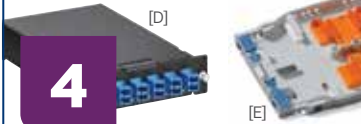


[C]

4

Select Splice Modules or Trays

Faster, safer, and simple management of pigtails

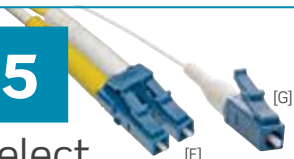


[E]

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.
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
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
SC	Kit, OS2, 3M, 12 Colors	UPPLC-KIT
	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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