MORGAN HILL

Powered By Industry-Leading Manufacturers

LEVITON®

Berk-Tek Loose Tube ADVENTUM Solutions Guide

ADVENTUM Dry Loose Tube Advantages

CONTACT US & LOOK AT OTHER RESOURCES HERE

LEVITON'S BERK-TEK PART #	LEVITON'S BERK-TEK DESCRIPTION
Multimode Loose Tube OM3 6-432 Fiber Construction	
LTP006EB3010/25	6 Fiber Loose Tube, Plenum, 50 μm-OM3, Indoor/Outdoor, Aqua Jacket
LTP012EB3010/25	12 Fiber Loose Tube, Plenum, 50 μm-OM3, Indoor/Outdoor, Aqua Jacket
LTP12B024EB3010/25	24 Fiber Loose Tube, Plenum, 50 μm-OM3, Indoor/Outdoor, Aqua Jacket
LTP12B048EB3010/25	48 Fiber Loose Tube, Plenum, 50 μm-OM3, Indoor/Outdoor, Aqua Jacket
LTP12B**XXX**EB3010/25	**XXX** = Fiber Count 072, 096, 144
Single-Mode Loose Tube OS2 6-432 Fiber Construction	
LTP006AB0403	6 Fiber Loose Tube, Plenum, Single-Mode, Indoor/Outdoor, Yellow Jacket
LTP012AB0403	12 Fiber Loose Tube, Plenum, Single-Mode, Indoor/Outdoor, Yellow Jacket
LTP12B024AB0403	24 Fiber Loose Tube, Plenum, Single-Mode, Indoor/Outdoor, Yellow Jacket
LTP12B048AB0403	48 Fiber Loose Tube, Plenum, Single-Mode, Indoor/Outdoor, Yellow Jacket
LTP12B**XXX**AB0403	**XXX** = Fiber Count 072, 096, 144
Multimode Tight Buffer OM4 6-432 Fiber Construction	
LTP006FB3010/F5	6 Fiber Loose Tube, Plenum, 50 μm-OM4, Indoor/Outdoor, Aqua Jacket
LTP012FB3010/F5	12 Fiber Loose Tube, Plenum, 50 μm-OM4, Indoor/Outdoor, Aqua Jacket
LTP12B024FB3010/F5	24 Fiber Loose Tube, Plenum, 50 μm-OM4, Indoor/Outdoor, Aqua Jacket
LTP12B048FB3010/F5	48 Fiber Loose Tube, Plenum, 50 μm-OM4, Indoor/Outdoor, Aqua Jacket
LTP12B**XXX**FB3010/F5	**XXX** = Fiber Count 072, 096, 144

LEVITON'S BERK-TEK PART #	LEVITON'S BERK-TEK DESCRIPTION
Multimode Tight Buffer OM3 – Interlock Armor 6-432 Fiber Construction	
LTPK006EB3010/25	6 Fiber Loose Tube, Plenum, Interlock Armored, 50 μm-OM3, Indoor/Outdoor, Aqua Jacket
LTPK012EB3010/25	12 Fiber Loose Tube, Plenum, Interlock Armored, 50 μm-OM3, Indoor/Outdoor, Aqua Jacket
LTPK12B024EB3010/25	24 Fiber Loose Tube, Plenum, Interlock Armored, 50 μm-OM3, Indoor/Outdoor, Aqua Jacket
LTPK12B048EB3010/25	48 Fiber Loose Tube, Plenum, Interlock Armored, 50 μm-OM3, Indoor/Outdoor, Aqua Jacket
LTPK12B**XXX**EB3010/25	**XXX** = Fiber Count 072, 096, 144
Single-Mode Loose Tube OS2 – Interlock Armor 6-432 Fiber Construction	
LTPK006AB0403	6 Fiber Loose Tube, Plenum, Interlock Armored, Single-Mode, Indoor/Outdoor, Yellow Jacket
LTPK12B012AB0403	12 Fiber Loose Tube, Plenum, Interlock Armored, Single-Mode, Indoor/Outdoor, Yellow Jacket
LTPK12B024AB0403	24 Fiber Loose Tube, Plenum, Interlock Armored, Single-Mode, Indoor/Outdoor, Yellow Jacket
LTPK12B048AB0403	48 Fiber Loose Tube, Plenum, Interlock Armored, Single-Mode, Indoor/Outdoor, Yellow Jacket
LTPK12B**XXX**AB0403	**XXX** = Fiber Count 072, 096, 144
Multimode Tight Buffer OM4 – Interlock Armor 6-432 Fiber Construction	
LTPK006FB3010/F5	6 Fiber Loose Tube, Plenum, Interlock Armored, 50 μm-OM4, Indoor/Outdoor, Aqua Jacket
LTPK012FB3010/F5	12 Fiber Loose Tube, Plenum, Interlock Armored, 50 μm-OM4, Indoor/Outdoor, Aqua Jacket
LTPK12B024FB3010/F5	24 Fiber Loose Tube, Plenum, Interlock Armored, 50 μm-OM4, Indoor/Outdoor, Aqua Jacket
LTPK12B048FB3010/F5	48 Fiber Loose Tube, Plenum, Interlock Armored, 50 μm-OM4, Indoor/Outdoor, Aqua Jacket
LTPK12B**XXX**FB3010/F5	**XXX** = Fiber Count 072, 096, 144

MORGAN HILL
Powered By Industry-Leading Manufacturers

Fiber Option: OM4+Extended Distance Fiber from Berk-Tek

(VIOLET JACKET)
Change Part # Suffix to XB3010/X5 AS PREVIOUS

Fiber Type	Wavelength	Maximum Attenuation (dB/km)	Effective Modal Bandwidth @ 850 nm (MHz·km)
OM4+	850/1300	2.8/0.8	4900

Distance (Meters)

1 GbE	10 GbE	40 GbE	100 GbE
1210	600	300	150

Berk-Tek Armor-Tek Ground Straps

The Armor-Tek(TM) Ground Strap Kit provides a grounding solution for Armor-Tek interlock armored cables.

PART #	PRODUCT DESCRIPTION
11140671	PRE-TERMINATED GROUND STRAP KIT (5 FEET)

LINK HERE

OPT-X™ SDX Splice Modules

DESIGN CONSIDERATIONS · Installs in SDX rack-mount and wall-mount fiber enclosures

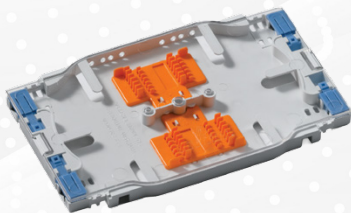| Description	Part No.
12-Fiber, OM3, Duplex Shuttered LC (Aqua)	SPLCS-2AL
12-Fiber, OM4, Duplex Shuttered LC (Aqua)	SPLCS-2QL
12-Fiber, OM4, Duplex Shuttered LC (Heather Violet)	SPLCS-2ML
12-Fiber, OS2, Duplex Shuttered LC (Blue)	SPLCS-2LL
12-Fiber, OS2, Duplex LC/APC Shuttered (Green)	SPLCS-2VL
24-fiber, OM3, Quad Shuttered LC (Aqua)	SPLCS-4AL
24-fiber, OM4, Quad Shuttered LC (Aqua)	SPLCS-4QL
24-fiber, OM4, Quad Shuttered LC (Heather Violet)	SPLCS-4ML
24-fiber, OS2, Quad Shuttered LC (blue)	SPLCS-4LL
24-fiber, OS2, Quad LC/APC Shuttered (green)	SPLCS-4VL
12-Fiber, OM4, Duplex SC (Aqua)	SPSCS-2QC
12-Fiber, OS2, Duplex SC (Blue)	SPSCS-2LC
12-Fiber, OS2, Duplex SC/APC (Green)	SPSCS-2VC

LINK HERE

12 & 24-Fiber Injection-Molded Splice Trays

- Four ratchet action clamps with foam rubber padding to minimize crush of loose tube or tight buffer fiber
- Clear cover allows viewing or inspection of fibers without having to remove cover
- Multiple tie-down holes for securing incoming fiber
- Accepts up to 12 or 24 heat-shrink-style fusion spliced fibers
- Splice sleeves included

DESCRIPTION	PART #
12-Fiber Mini Injection Molded Splice Tray	T5PLS-12F
24-Fiber High Density Injection Molded Splice Tray	T5PLS-24F
Splice Tray Mounting Hardware Kit	SPLMT-HKT
Standard Heat Shrink Splice Sleeve 40mm Length	FSSSD-040
Standard Heat Shrink Splice Sleeve 60mm Length	FSSSD-060

LINK HERE

OPT-X™ 2000i SDX White/Black Fiber Rack-Mount Enclosures

FEATURES

- Stylish and innovative design
- Sliding tray removes completely from enclosure to facilitate field terminations and splicing
- Sliding tray glides forward and backward, providing accessibility to front and rear bulkhead after installation
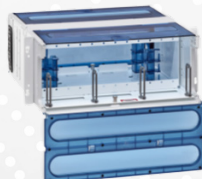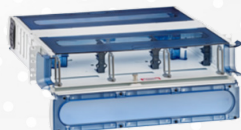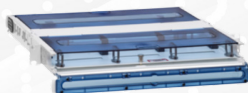- 17-inch depth for high-density fiber termination and/or splicing

DENSITY			
Rack Unit(s)	Fibers (LC)	SDX Adapter Plates / MTP® Cassettes	Splice Tray
1RU	72	Up to 3	Up to 3 trays
2RU	144	Up to 6	Up to 6 trays
4RU	288	Up to 12	Up to 12 trays

OPT-X™ 2000I SDX RACK-MOUNT ENCLOSURES	
Description	Part No.
1RU White Enclosure, empty, with sliding tray	5R1UH-W03
2RU White Enclosure, empty, with sliding tray	5R2UH-W06
4RU White Enclosure, empty, with sliding tray	5R4UH-W12

ACCESSORIES	
Description	Part No.
Retrofit Sliding Tray, 1U (for use with HDX Cassettes)	5R1UR-TRY
Retrofit Sliding Tray, 2U (for use with HDX Cassettes)	5R2UR-TRY
HDX to SDX Adapter Bracket	HDXAD-ACC
Universal 0RU Patch Cord Managers	5RCMT-VFG
Universal Cable Clamp Kit, single cable grommet (for enclosure mounting)	5RCMP-KIT
Universal Cable Clamp Kit, multiple cable grommet (for enclosure mounting)	5RCMP-KT2
Universal Cable Clamp Kit (for rack post mounting)	5RCMR-KIT
Fiber Cable Management ¼ Round Ring Kit (bag of four)*	5R100-14R*
Grounding Kit	DPGRD-KIT
1RU Enclosure 23" Rack-Mounting Bracket, Black	5R1RU-023
Replacement Covers	5C000-RPL

LINK HERE

OPT-X™ 1000i SDX Rack-Mount Enclosures 1RU, 2RU, 3RU, & 4RU

FEATURES

- 15-inch depth for high-density fiber termination and/or splicing
- Stackable and adjustable fiber rings simplify cable organization
- Front saddles pivot for improved patch cord routing
- Removable front and rear covers offer better access to the interior of the enclosure
- Removable rubber grommet allows for pre-terminated fiber trunk install, protects cable, and minimizes dust build-up
- Sliding tray (an option in 1RU and 2RU enclosures) glides forward and backward for front and rear bulkhead access after installation, and removes completely from enclosure for ease of field terminations and splicing

DENSITY			
Rack Unit	**Fibers**	**SDX Adapter Plates, Splice Modules or MTP® Cassettes**	**Splice Trays**
1RU	72	Up to 3	Up to 3
2RU	144	Up to 6	Up to 6
3RU	216	Up to 9 (horizontal adapter plate/module orientation)	Up to 12
3RU	288	Up to 12 (**vertical** adapter plate/module orientation)	Up to 12
4RU	288	Up to 12 (**vertical** adapter plate/module orientation)	Up to 12
4RU	360	Up to 15 (horizontal adapter plate/module orientation)	Up to 12

OPT-X™ 1000i SDX RACK-MOUNT ENCLOSURES	
Description	**Part No.**
1RU Enclosure, Empty fixed tray	5R1UM-F03
1RU Enclosure, Empty, with sliding tray	5R1UM-S03
2RU Enclosure, Empty fixed tray	5R2UM-F06
2RU Enclosure, Empty, with sliding tray	5R2UM-S06
3RU Enclosure, Empty Horizontal mt	5R3UM-F09
3RU Enclosure, Empty Vertical mt	5R3UM-F12
4RU Enclosure, Empty Vertical mt	5R4UM-F12
4RU Enclosure, Empty Horizontal mt	5R4UM-F15

Enclosure includes an accessory kit which consists of cable ties, mounting screws, ID label, and spiral wrap (for cable protection on units with sliding tray)

ACCESSORIES	
Description	Part No.
Retrofit Sliding Tray, 2U (for use with HDX Cassettes/Plates)	5R2UR-TRY
Retrofit Sliding Tray, 1U (for use with HDX Cassettes/Plates)	5R1UR-TRY
Universal Cable Clamp Kit, single cable grommet (for enclosure mounting)	5RCMP-KIT
Universal Cable Clamp Kit, multiple cable grommet (for enclosure mounting)	5RCMP-KT2
Universal Cable Clamp Kit (for rack post mounting)	5RCMR-KIT
Universal 0 RU Patch Cord Managers	5RCMT-VFG
HDX to SDX Adapter Bracket	HDXAD-ACC
Fiber Cable Management ¼ Round Ring Kit (bag of four)	5R100-14R*
1RU Enclosure 23" Rack and Cabinet Mounting Bracket	5R1RU-023
Lock and Key	5L000-KAL

LINK HERE

Opt-X® SDX Wall-Mount Enclosures

MINI

Mini Wall-Mount FEATURES
• Enclosure accommodates up to 24 fibers (using LC), 12 fibers (using SC), and 6 ports (for copper)
• Accepts SDX Precision-Molded Adapter Plates and SDX MTP Cassette for multiple solution capabilities

OPT-X® SDX MINI WALL-MOUNT ENCLOSURE & ACCESSORIES

Description	Part No.
Enclosure, empty, no lock	5WMNT-01C*
Lock and key	5L000-KAL
Set of 4 magnets	41030-SMJ
Standard Splice Sleeve, 40 mm length	FSSSD-040
0RU Mounting Bracket (bag of 2)	5WMNB-ACC
DIN Rail Bracket Kit	DNRAL-ACC

LINK HERE

SMALL, MEDIUM & LARGE

• Dual doors (service side and customer side) with slam latches for ease of access
• Low-profile (depth) minimizes protrusion from the wall
• Large-size enclosure can be retrofitted in field for splice only enclosure (accepts up to 24 splice trays)
• Accepts SDX Adapter Plates, Splice Modules, MTP Cassettes, and Splice Trays for multiple solution capabilities

CHARACTERISTICS

Size	# of SDX	MTP™ (12f / 24f)	Fiber Density			Copper Density
			LC	SC	ST	CAT 6A
Small	2	192 / 384	48	24	16	12
Medium	4	384 / 768	96	48	32	24
Large	12	1,152 / 2,304	288	144	96	72

SPLICE TRAY CAPACITY

	Heat shrink (plastic holders)	Small	Medium	Large
Metal splice tray (0.25 inches height)				
12-Fiber Mini, 4 inches x 7 inches	T47HS-P06	2	4	12
12-Fiber Mini, w/ standoff, 4 inches x 7 inches	5T000-00T	2	4	12
72-Fiber High Density, 6 inches x 10 inches	T6XRB-40Q	2	4	12/24
Injection molded splice tray (mini - 0.39 inches height, high-density - 0.43 inches height)				
12-Fiber Mini, 3.74 inches x 5.59 inches	T5PLS-12F	2	4	12/24
24-Fiber High-density, 4.5 inches x 7.63 inches	T5PLS-24F	2	4	12/24

Opt-X® SDX Wall-Mount Enclosures

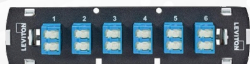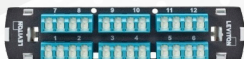| OPT-X® SDX WALL-MOUNT ENCLOSURES & ACCESSORIES	
Description	**Part No.**
Small Enclosure, empty with dual door, no lock	5WSML-02C*
Medium Enclosure, empty with dual door, no lock	5WMED-04C*
Large Enclosure, empty with dual door, no lock	5WLRG-12C*
Lock and key	5L000-KAL
Splice tray mounting hardware kit	SPLMT-HKT
Cable clamp kit (single grommet)	5RCMP-KIT
Cable clamp kit (multiple cable grommets)	5RCMP-KT2
HDX-to-SDX adapter bracket	HDXAD-ACC

LINK HERE

OPT-X™ SDX LC Shuttered Fiber Adapter Plates

DESIGN CONSIDERATIONS

• Installs in SDX rack- and -wall mount fiber enclosures
• Patented internal shutters on SDX Shuttered LC Adapter
• Plates eliminate the need for dust plugs,
• Visible sequential numbering to identify ports (for Tx & Rx)
• Integrated latching tabs on SDX Shuttered LC Adapter Plates allow for one-handed insertion and removal from SDX enclosures and panels

PART NUMBERS — DUPLEX SHUTTERED LC	
Description	Part No.
12-fiber (black), OM1, duplex shuttered LC (beige), zirconia ceramic sleeve	5F100-S2I
12-fiber (black), OM3 & OM4, duplex shuttered LC (aqua), zirconia ceramic sleeve	5F100-S2Q
12-fiber (black), OM4, duplex shuttered LC (heather violet), zirconia ceramic sleeve	5F100-S2M
12-fiber (black), OS2, duplex shuttered LC (blue), zirconia ceramic sleeve	5F100-S2L
12-fiber (black), OS2, duplex shuttered LC/APC (green), zirconia ceramic sleeve	5F100-S2V
24-fiber (black), OM1, quad shuttered LC (beige), zirconia ceramic sleeve	5F100-S4I
24-fiber (black), OM3 & OM4, quad shuttered LC (aqua), zirconia ceramic sleeve	5F100-S4Q
24-fiber (black), OM4, quad shuttered LC (heather violet), zirconia ceramic sleeve	5F100-S4M
24-fiber (black), OS2, quad shuttered LC (blue), zirconia ceramic sleeve	5F100-S4L
24-fiber (black), OS2, quad shuttered LC/APC (green), zirconia ceramic sleeve	5F100-S4V

LINK HERE

OPT-X™ SDX Fiber Adapter Plates — Precision Molded

PART NUMBERS

Description	Part No.
Plate (beige), 62.5 µm MM (OM1), Duplex LC, 12-fiber, zirconia ceramic sleeve	5F100-2IL
Plate (aqua), 50 µm LOMM (OM3 & OM4), Duplex LC, 12-fiber, zirconia ceramic sleeve	5F100-2QL
Plate (blue), SM (OS2), Duplex LC, 12-fiber, zirconia ceramic sleeve	5F100-2LL
Plate (green), SM (OS2), Duplex LC/APC, 12-fiber, zirconia ceramic sleeve	5F100-2VL
Plate (beige), 62.5 µm MM (OM1), Quad LC, 24-fiber, zirconia ceramic sleeve	5F100-4IL
Plate (aqua), 50 µm LOMM (OM3 & OM4), Quad LC, 24-fiber, zirconia ceramic sleeve	5F100-4QL
Plate (blue), SM (OS2), Quad LC, 24-fiber, zirconia ceramic sleeve	5F100-4LL
Plate (green), SM (OS2), Quad LC/APC, 24-fiber, zirconia ceramic sleeve	5F100-4VL
Plates (beige), 62.5 µm MM (OM1), Duplex SC, 6-fiber, zirconia ceramic sleeve	5F100-6IC
Plates (aqua), 50 µm MM (OM3 & OM4), Duplex SC, 6-fiber, zirconia ceramic sleeve	5F100-6QC
Plates (blue), SM (OS2), Duplex SC, 6-fiber, zirconia ceramic sleeve	5F100-6LC
Plates (green), SM (OS2), Duplex SC/APC, 6-fiber, zirconia ceramic sleeve	5F100-6VC
Plate (beige), 62.5 µm MM (OM1), Duplex SC, 12-fiber, zirconia ceramic sleeve	5F100-2IC
Plate (aqua), 50 µm LOMM (OM3 & OM4), Duplex SC, 12-fiber, zirconia ceramic sleeve	5F100-2QC
Plate (blue), SM (OS2), Duplex SC, 12-fiber, zirconia ceramic sleeve	5F100-2LC
Plate (green), SM (OS2), Duplex SC/APC, 12-fiber, zirconia ceramic sleeve	5F100-2VC
Plate (black), ST MM/SM, 6-fiber, zirconia ceramic sleeve	5F100-6MT
Plate (black), ST MM/SM, 8-fiber, zirconia ceramic sleeve	5F100-8MT
Plate (black), blank	5F100-PLT

LINK HERE

![Morgan Hill logo - Powered By Industry-Leading Manufacturers]

Berk-Tek Breakout Kits

LINK HERE

PART #	DESCRIPTION
10033624	12 fiber breakout kit with 24-inch legs
10033625	12 fiber breakout kit with 36-inch legs
10033626	6 fiber breakout kit with 24-inch legs
10033627	6 fiber breakout kit with 36-inch legs

Leviton Fiber Optic Fanout Kit

PART #	DESCRIPTION
49887-06S	6 Position Fan-Out Kit with 24 Inch Fan-Out Tubing
49887-06L	6 Position Fan-Out Kit with 36 Inch Fan-Out Tubing
49887-12S	12 Position Fan-Out Kit with 24 Inch Fan-Out Tubing
49887-12L	12 Position Fan-Out Kit with 36 Inch Fan-Out Tubing
49800-FAN	Fiber Fan-Out Consumable Kit

LINK HERE

FASTSPLICE™
Fusion Splice-On Connectors

CONNECTORS SOLD IN **PACKS OF 12**

FASTSPLICE™ FUSION SPLICE ON CONNECTORS	
Description	Part No.
900 µm 12-Pack	
LC SM APC OS2 Green 900 µm	499LC-GN9
LC SM OS2 Blue 900 µm	499LC-BL9
LC MM OM1 Beige 900 µm	499LC-BG9
LC MM OM3/4 Aqua 900 µm	499LC-AQ9
SC SM APC OS2 Green 900 µm	499SC-GN9
SC SM OS2 Blue 900 µm	499SC-BL9
SC MM OM1 Beige 900 µm	499SC-BG9
SC MM OM3/4 Aqua 900 µm	499SC-AQ9
ST SM OS2 Blue 900 µm	499ST-BL9
ST MM OM1 Beige 900 µm	499ST-BG9
ST MM OM3/4 Aqua 900 µm	499ST-AQ9
Universal LC/ST/SC Ferrule Holder, 10-pack*	**49886-SH1**
LC Duplex Clip, pack of 6, clear	49991-CLP
FASTPLICE Tool Kit	**49800-SOC**

Connectors support 900 micron buffered fiber or 250 micron coated fiber with appropriate fanout kit or furcation tubing

LINK HERE