



PRODUCT INFORMATION



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Laser Ultra-Fox™ Cables

For the laser-based high-speed networks of today and tomorrow, Optical Cable Corporation's Laser Ultra-Fox™ multimode fiber optic cables offer the best performance and longest operational distances available.

Laser Ultra-Fox™ multimode cables are optimized for use with high-speed laser-based systems, such as Gigabit Ethernet. Laser Ultra-Fox™ cables are also fully compliant with all LED-based standards, making them an excellent choice for any new installation where migration to Gigabit Ethernet is planned. Laser Ultra-Fox™ cables have controlled differential-mode-delay and refractive-index-profiles that are directly compatible with 850 nm VCSEL lasers, 1310 nm single-mode lasers, and LEDS. Laser Ultra-Fox™ cables are available in both 62.5 µm and 50 µm fiber types.

Laser Ultra-Fox™ Ten multimode cables are optimized for use with 10-Gigabit laser-based systems, such as 10-Gigabit Ethernet. Laser Ultra-Fox™ Ten cables also achieve extended distance operation with Gigabit Ethernet systems, and are fully compatible with all 50 µm LED based standards, making them the best choice for any new installation that might require future operation at 10-Gigabit speeds. Laser Ultra-Fox™ ALT and ALE cables are fully compliant with both the TIA-568 850 nm Laser-Optimized 50 µm Fiber Addendum and the ISO/IEC 11801 OM3 10-Gigabit standards.

Laser Ultra-Fox™ Ten cables provide extended distance operation beyond the IEEE 802.3z Gigabit Ethernet standard link lengths. Laser Ultra-Fox™ cables are fully compatible with all 10-155 Mb/s data standards, such as Ethernet, Fast Ethernet, FDDI, ATM, Fibre Channel, and TIA-568. Laser Ultra-Fox™ cables are laser-ready, eliminating the need for expensive mode conditioning patch cords.

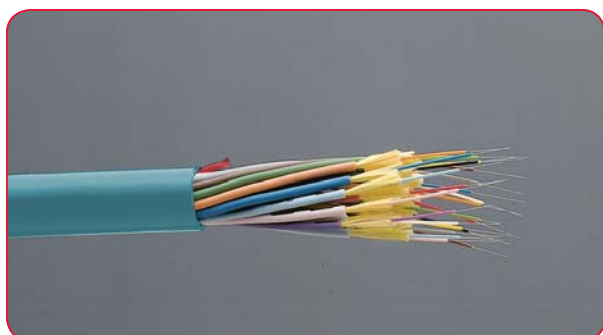
Laser Ultra-Fox™ DE Cables

Optical Cable Corporation's Laser Ultra-Fox™ DE Delay-Equalized fiber optic cables offer the unique combination of true-time-delay equalization and easy termination.

Laser Ultra-Fox™ DE cables are optimized for use in high-speed parallel data transmission, where minimal time skew of data between groups of fibers is important for proper system operation. Installations utilizing keyboard-video-mouse (KVM) access, where the actual computers are in a secure location separate from the KVM controls, often have demanding time skew requirements. With Laser Ultra-Fox™ DE cable, groups of 2 to 6 fibers may be delay-equalized. Higher fiber counts can be produced in GX-Series Subgrouping cables by using delay-equalized subunit cables.

Each individual fiber within a Laser Ultra-Fox™ DE cable equalized group is specially selected for equal group refractive index, allowing distance accuracy down to a few inches or less depending on overall cable length. In competing ribbon cable designs unequal group refractive index can change the relative propagation delay time by as much as 0.4%.

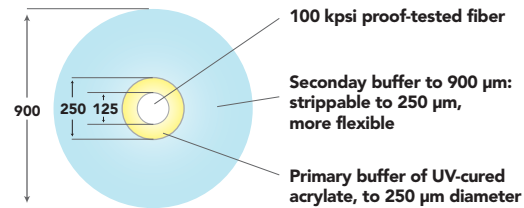
Contact Optical Cable Corporation, and ask for more information on Laser Ultra-Fox™ DE Delay-Equalized fiber optic cables.



Optical Cable Corporation offers three distinct buffering systems, each carefully engineered and manufactured to be the best available for its respective installation/application.

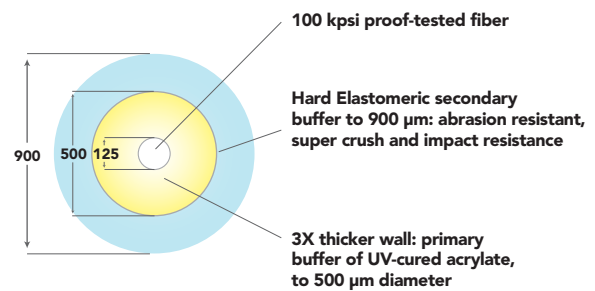
Ultra-Fox™

Our Ultra-Fox cable features 100 kpsi proof-tested fiber, a primary coating of UV-cured acrylate material to a diameter of 250 μm , and a secondary buffer to 900 μm . The composite primary coating and secondary buffer may be mechanically removed to the 125 μm glass diameter in one step. This is typically done for direct termination with connectors. The versatile buffer system permits mechanical stripping in short lengths (about 1 cm) to remove the secondary buffer and leave the 250 μm primary coating intact. This 250 μm buffered fiber is, therefore, available for splicing to similar buffered fibers from loose-tube cables. The 250 μm coating may then be further mechanically stripped to the 125 μm glass diameter.



Ultra-Fox™ Plus

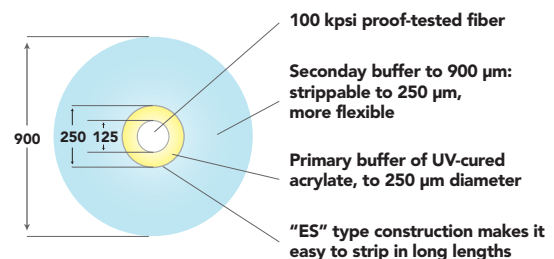
Our Ultra-Fox™ Plus cable features 100 kpsi proof-tested fiber, a primary buffer of UV-cured acrylate material to a diameter of 500 μm and a secondary hard elastomeric buffer to 900 μm diameter. This provides the best environmental and mechanical protection and is identical to the buffering on our military tactical cables. This buffering system can easily be mechanically stripped directly to the glass for termination with connectors or for splicing.



Easy Strip (ES) Buffer Options

Our Easy Strip options permit the easy removal of long lengths (20-30 cm) of the 900 μm buffer, leaving the 250 μm acrylate coating. This is convenient when the 900 μm buffer must be removed to allow for splicing or ribbonizing.

- ES1 features a 900 μm primary buffer of hard elastomeric material that is semi-loose-fitting over the 250 μm acrylate coating.
- ES2 features a 900 μm PVC primary buffer with a release agent placed between the primary buffer and the 250 μm acrylate coating.



OUTER CABLE JACKET MATERIALS



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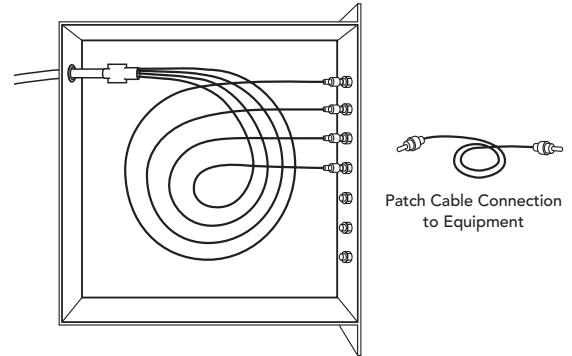
Outer Cable Jacket Materials for Tight-Buffered Cables

	Indoor/Outdoor			Indoor Only		Outdoor Only								
	Flame Retardant PVC	Low Temperature Oil Resistant PVC	Fluoropolymer Plenum	Flexible Fluoropolymer Plenum	Low Smoke Zero Halogen	Flame Retardant Plenum	Flexible PVC	Medium Density Polyethylene	Flame Retardant Polyurethane	Hard Polyurethane	Proprietary	Polyurethane	Low Smoke Zero Halogen Polyurethane	Flame Retardant Tactical Polyurethane
Material Code	D	J	K	W	Z	S	N	A	E	R	X	C	G	V
Duct Installation	■	■	■	■	■	■	■	■			■			
Fungus Resistant	■	■	■	■	■	■	■	■	■	■	■	■	■	■
UV Resistant	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Water Resistant	■	■	■	■	■		■	■	■	■	■	■	■	■
Direct Burial	■		■	■	■			■						
Aerial	■	■		■	■			■	■	■	■	■	■	■
High Flex Life				■					■	■	■	■	■	■
Soft, Flexible						■	■		■			■		■
Tight Bends	■	■	■				■		■		■	■	■	■
Mechanical Resistant	■	■	■	■	■				■	■	■	■	■	■
Low Friction	■	■	■	■				■		■				
Operating Cold Temp(°C)	-40	-40	-40	-40	-20	-20	-40	-40	-55	-55	-55	-55	-55	-55
Operating Temp(°C)	+85	+85	+85	+85	+70	+70	+85	+70	+85	+85	+85	+85	+85	+85
Petrochemical Resistance	■	■	■	■	■			■		■	■	■	■	■
Severe Chemical Environments			■	■				■				■		■

Note: Cable design for some fiber counts may override the general capabilities listed in the table above. Contact Optical Cable Corporation for the best solution for your application.

In a Typical Installation, OCC Indoor/Outdoor Distribution Series Cables:

- Allow direct termination with connectors
- Reduce installation cost –
 - eliminate breakout/fanout kits and tubing, splicing of pigtails
 - reduce material cost
 - reduce labor cost
- Improve link budget –
 - eliminate splice loss
- Can be used both indoors and outdoors –
 - eliminate splices and discontinuities
 - improve reliability
 - reduce cost



**Simplified Direct Termination
in a Protective Box**

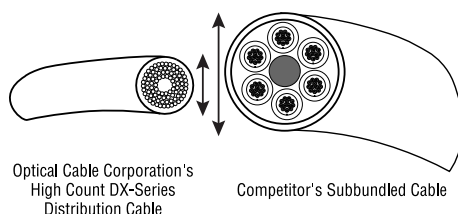
OCC Distribution Series Indoor/Outdoor cables may be directly terminated with connectors in a protective box.

- Suitable for both indoor and outdoor use, making installation simpler and less costly
- 900 μm buffered fiber is environmentally and mechanically protected

OCC Distribution Indoor/Outdoor cables beat Outside Plant cables by eliminating the added step of splicing at the building entrance.

- Outside Plant cables must be spliced to indoor flame retardant cables for extended runs into the buildings
- By eliminating this complicated step, OCC Distribution Series Indoor/Outdoor cables reduce labor, equipment and material cost, as well as improving system performance and reliability

**Note: "S" jacketed indoor DX Plenum cables are not suitable for outdoor usage.*



50% Smaller Diameter than Competing Cables

High-density packaging gives OCC Distribution Series cables half the diameter of competing cables. As a result, they can deliver high fiber counts through cramped spaces and around tight corners.

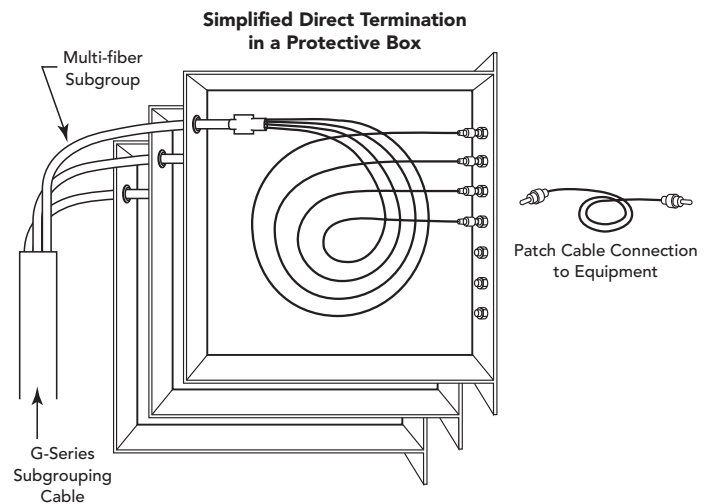
SUBGROUPING SERIES INDOOR/OUTDOOR TYPICAL TERMINATION APPROACH



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In a Typical Installation, OCC Subgrouping Indoor/Outdoor Cables:

- Have fully protected fibers contained in color-coded individually jacketed subcables for distribution to multiple racks or cabinets
- Allow separation and identification of groups of different fibers, such as single-mode and multimode, each in different subgroup cables
- Permit easy installation of high fiber counts, even through tight spaces, due to highly dense cable construction
- Permit direct termination with connectors, reducing material and installation cost
- Can be used both indoors and outdoors –
 - eliminate splices and discontinuities
 - improve reliability
 - reduce cost



OCC Subgrouping Series Indoor/Outdoor cables may be directly terminated with connectors in a protective box at the equipment rack.

- Suitable for both indoor and outdoor use, making installation simpler and less costly
- 900µm buffered fiber is environmentally and mechanically protected

OCC Subgrouping Series Indoor/Outdoor cables beat Outside Plant cables by eliminating the added step of splicing at the building entrance.

- Outside Plant cables must be spliced to indoor flame retardant cables for extended runs into the buildings
- By eliminating this complicated step, OCC Subgrouping Series Indoor/Outdoor cables reduce labor, equipment and material cost, as well as improving system performance and reliability

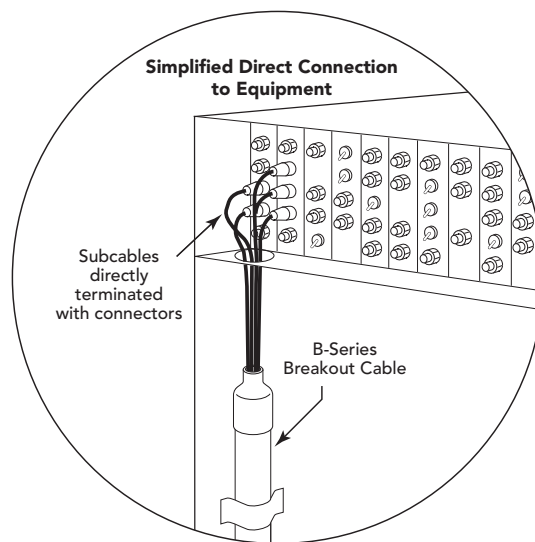
BREAKOUT SERIES INDOOR/OUTDOOR CABLES TYPICAL TERMINATION APPROACH



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In a Typical Installation, OCC Breakout Series Indoor/Outdoor Cables:

- Allow direct termination of subcables with connectors—
 - full mechanical termination to subcable strength members
 - total environmental protection from connector end to connector end
- Reduce installation cost—
 - eliminate breakout/fanout kits and tubing, splicing of pigtails
 - eliminate patch panels, patch cords and connector losses
 - reduce material cost
 - reduce labor cost
- Ideal for use in point-to-point runs in adverse environments
- Improve link budget—
 - eliminate splice loss
- Can be used both indoors and outdoors—
 - eliminate splices and discontinuities
 - improve reliability
 - reduce cost



OCC Breakout Series Indoor/Outdoor cables may be directly terminated at equipment.

- Suitable for both indoor and outdoor use, making installation simpler and less costly
- 900µm buffered fiber is environmentally and mechanically protected

OCC Breakout Series Indoor/Outdoor cables beat Outside Plant cables by eliminating the added step of splicing at the building entrance.

- Outside Plant cables must be spliced to indoor flame retardant cables for extended runs into the buildings
- By eliminating this complicated step, OCC Breakout Series Indoor/Outdoor cables reduce labor, equipment and material cost, as well as improving system performance and reliability



Specifications for OptiReel™

Cable Type	Cable Length (ft)	Total Weight (lbs)	Box Type
AX001	3,000	18	12" x12" x12"
AX002	1,500	19	12" x12" x12"
DX002	2,000	40	16" x16" x16"
DX004	1,500	40	16" x16" x16"
DX006	1,500	42	16" x16" x16"
DX008	1,000	35	16" x16" x16"
DX012	1,000	40	16" x16" x16"

Features and Applications

OptiReel™ cable box saves installers time.

- Cable reel features adjustable tension control for cable payout adjustments
- Always know remaining cable length with AT-A-GLANCE decreasing cable length markings
- Faster installation for multiple fiber optic cable drops
- Easy cable handling and storage, and excellent protection at job sites
- Available in popular fiber types and up to 12-fiber cables
- Can be stacked with other boxes containing data cables
- Contains optimum performance fiber optic cable

OptiReel™ is a self-contained payout box to facilitate storage, handling and pulling of the cables. The packaging greatly reduces set-up time for each pull. Therefore, the box is ideally suited for cable pulls through building duct systems, walls and ceilings where multiple cables may be pulled together and many relatively short runs need to be installed.

OptiReel™ cable boxes can be easily stacked and staged together with other types of data cables for faster installations. The compact boxes contain an internal reel so that cable stands do not have to be used. Cables in the boxes are marked with decreasing length markings, so that the installer always knows the length of the remaining cable in the box.

OptiReel™ cable packaging is available for Optical Cable Corporation's simplex and duplex A-Series and D-Series types of cables, either riser-rated or plenum-rated, with 62.5/125, 50/125, and single-mode fibers.

Contact your local Optical Cable Corporation representative or distributor to order your next shipment of fiber optic cable in the OptiReel™ cable box.

PRODUCT TESTING



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Every reel of fiber optic cable manufactured by Optical Cable Corporation is the product of a 100 percent quality manufacturing environment. Manufacturing process are computer controlled for exacting tolerances, peak performances, and excellent repeatability.

All fiber optic cables manufactured by Optical Cable Corporation are 100% inspected. Optical Time Domain Reflectometer (OTDR) testing is used by the Quality Assurance Department to test buffered fibers, completed subcables, and completed cables after the final jacket is placed over all the internal components.

Optical Cable Corporation's quality management system is certified to ISO 9001:2000, the internationally recognized standard for quality management systems. The company's expertise assures that each customer will receive the highest quality products to allow their network to run at peak performance levels.

Extensive environmental and mechanical testing is performed on each fiber optic cable style to develop its performance characteristics and to verify compliance on a continuing basis. Independent testing and verification laboratories verify UL, MSHA, and other applicable standards compliance.



CERTIFICATE OF REGISTRATION

This is to certify that

OPTICAL CABLE CORPORATION

5290 Concourse Dr., Roanoke, Virginia 24019 USA

operates a

Quality Management System

which complies with the requirements of

ISO 9001:2000

for the following scope of registration

The registration covers the Quality Management System for the design, development, production and distribution of fiber optic cables.

Certificate No: CERT-0016693
File No: 007038
Issue Date: August 11, 2008

Original Certification Date: March 18, 1994
Current Certification Date: March 06, 2006
Certificate Expiry Date: March 05, 2009

Wendy Tilford
President,
QMI-SAI Canada Limited

Alex Ezrakhovich
General Manager,
SAI Global Certification Services Pty Ltd

Certified System
ISO 9001



Registered by:
SAI Global Certification Services Pty Ltd, 280 Sussex Street, Sydney NSW 2000, Australia with QMI-SAI Global and subject to the SAI Global Certification Services Pty Ltd Terms and Conditions for Certification. While all due care and skill was exercised in carrying out this assessment, SAI Global Certification Services Pty Ltd accepts responsibility only for proven negligence. This certificate remains the property of SAI Global Certification Services Pty Ltd and must be returned to SAI Global Certification Services Pty Ltd upon its request.
To verify that this certificate is current, please refer to the QMI-SAI Global On-Line Certification Register: www.qmi-saiglobal.com/online_certification_register



Optical Cable Company's new numbering system

When you have been serving the needs of a high-tech global industry for 25 years, things can get complicated. At Optical Cable Corporation, we're taking steps to make things simpler.

Our customers told us that our part numbers were too long and cumbersome. We've remedied that.

OCC's shorter part numbers are easy to integrate into customers existing ERP systems and more precisely specify the right product. Custom part numbers will remain the same.

It's the same uncompromising product, just an easier number to work with. Our customer service specialist will work with you to make certain that the transition to our new part numbers is easy and will not cause any disruption or inconvenience.

Making ordering easier. Optical Cable Company has your number.

D-Series Distribution Riser Cables

Fiber Count	Old Part Number	New Part Number
2	DX02-045D-■■■■/900-OFNR	DX002D■■■■9KR
4	DX04-050D-■■■■/900-OFNR	DX004D■■■■9KR
6	DX06-055D-■■■■/900-OFNR	DX006D■■■■9KR
8	DX08-060D-■■■■/900-OFNR	DX008D■■■■9KR
10	DX10-065D-■■■■/900-OFNR	DX010D■■■■9KR
12	DX12-065D-■■■■/900-OFNR	DX012D■■■■9KR
12	DX12-070D-A■■■/900-OFNR	DX012DA■■■9KR
14	DX14-070D-■■■■/900-OFNR	DX014D■■■■9KR
16	DX16-070D-■■■■/900-OFNR	DX016D■■■■9KR
18	DX18-070D-■■■■/900-OFNR	DX018D■■■■9KR
24	DX24-085D-■■■■/900-OFNR	DX024D■■■■9KR
30	DX30-090D-■■■■/900-OFNR	DX030D■■■■9KR
36	DX36-090D-■■■■/900-OFNR	DX036D■■■■9KR
48	DX48-105D-■■■■/900-OFNR	DX048D■■■■9KR
60	DX60-120D-■■■■/900-OFNR	DX060D■■■■9KR
72	DX72-135D-■■■■/900-OFNR	DX072D■■■■9KR
84	DX84-155D-■■■■/900-OFNR	DX084D■■■■9KR
96	DX96-160D-■■■■/900-OFNR	DX096D■■■■9KR
108	DX108-145D-■■■■/900-OFNR	DX108D■■■■9KR
120	DX120-150D-■■■■/900-OFNR	DX120D■■■■9KR
144	DX144-195D-■■■■/900-OFNR	DX144D■■■■9KR

D-Series Distribution Plenum Cables

Fiber Count	Old Part Number	New Part Number
2	DX02-040S-■■■■/900-OFNP	DX002S■■■■9■P
4	DX04-045S-■■■■/900-OFNP	DX004S■■■■9■P
6	DX06-045K-■■■■/900-OFNP	DX006K■■■■9■P
6	DX06-050S-■■■■/900-OFNP	DX006S■■■■9■P
8	DX08-055K-■■■■/900-OFNP	DX008K■■■■9■P
8	DX08-055S-■■■■/900-OFNP	DX008S■■■■9■P
12	DX12-060K-■■■■/900-OFNP	DX012K■■■■9■P
12	DX12-055S-■■■■/900-OFNP	DX012S■■■■9■P
18	DX18-060K-■■■■/900-OFNP	DX018K■■■■9■P
24	DX24-070K-■■■■/900-OFNP	DX024K■■■■9■P
30	DX30-080K-■■■■/900-OFNP	DX030K■■■■9■P
36	DX36-080K-■■■■/900-OFNP	DX036K■■■■9■P
42	DX42-095K-■■■■/900-OFNP	DX042K■■■■9■P
48	DX48-095DK-■■■■/900-OFNP	DX048K■■■■9■P
54	DX54-100K-■■■■/900-OFNP	DX054K■■■■9■P
60	DX60-100K-■■■■/900-OFNP	DX060K■■■■9■P
66	DX66-105K-■■■■/900-OFNP	DX066K■■■■9■P
72	DX72-125K-■■■■/900-OFNP	DX072K■■■■9■P

B-Series Breakout Riser Cables Standard (2.5 mm Subcable)

Fiber Count	Old Part Number	New Part Number
2	BX02-070D-■■■■/900-OFNR	BX002D■■■■9KR
4	BX04-080D-■■■■/900-OFNR	BX004D■■■■9KR
6	BX06-095D-■■■■/900-OFNR	BX006D■■■■9KR
8	BX08-115D-■■■■/900-OFNR	BX008D■■■■9KR
12	BX12-140D-■■■■/900-OFNR	BX012D■■■■9KR
12	BX12-125D-■■■/900-OFNR	BX012D■■■9KR
18	BX18-150D-■■■■/900-OFNR	BX018D■■■■9KR
24	BX24-175D-■■■■/900-OFNR	BX024D■■■■9KR
30	BX30-200D-■■■■/900-OFNR	BX030D■■■■9KR
36	BX36-200D-■■■■/900-OFNR	BX036D■■■■9KR
48	BX48-235D-■■■■/900-OFNR	BX048D■■■■9KR
60	BX60-255D-■■■■/900-OFNR	BX060D■■■■9KR
72	BX72-275D-■■■■/900-OFNR	BX072D■■■■9KR

*Note: Also available in 2.0 mm subcable.

B-Series Breakout Plenum Cables Standard (2.0 mm Subcable)

Fiber Count	Old Part Number	New Part Number
2	BX02-060K-■■■■/900-OFNP	BX002K■■■■9■P
4	BX04-060K-■■■■/900-OFNP	BX004K■■■■9■P
6	BX06-070K-■■■■/900-OFNP	BX006K■■■■9■P
8	BX08-085K-■■■■/900-OFNP	BX008K■■■■9■P
12	BX12-100K-■■■■/900-OFNP	BX012K■■■■9■P
18	BX18-110K-■■■■/900-OFNP	BX018K■■■■9■P
24	BX24-130K-■■■■/900-OFNP	BX024K■■■■9■P
30	BX30-145K-■■■■/900-OFNP	BX030K■■■■9■P
36	BX36-160K-■■■■/900-OFNP	BX036K■■■■9■P
48	BX48-185K-■■■■/900-OFNP	BX048K■■■■9■P
60	BX60-195K-■■■■/900-OFNP	BX060K■■■■9■P

*Note: Available with 2.5 mm or 2 .9 mm subcables.

G-Series Riser Cables 6-Fiber Subgroups (4.5 mm Bundles)

Fiber Count	Old Part Number	New Part Number
12	GX12-145D-■■■■/900-OFNR	GB012D■■■■9KR
18	GX18-145D-■■■■/900-OFNR	GB018D■■■■9KR
24	GX24-145D-■■■■/900-OFNR	GB024D■■■■9KR
30	GX30-150D-■■■■/900-OFNR	GB030D■■■■9KR
36	GX36-170D-■■■■/900-OFNR	GB036D■■■■9KR

* Note: Higher fiber counts are also available in 6-Fiber Subgroups.

G-Series Riser Cables 12-Fiber Subgroups (5.5 mm Bundles)

Fiber Count	Old Part Number	New Part Number
24	GX24-165D-■■■■/900-OFNR	GX024D■■■■9KR
36	GX36-165D-■■■■/900-OFNR	GX036D■■■■9KR
48	GX48-165D-■■■■/900-OFNR	GX048D■■■■9KR
60	GX60-185D-■■■■/900-OFNR	GX060D■■■■9KR
72	GX72-205D-■■■■/900-OFNR	GX072D■■■■9KR
84	GX84-220D-■■■■/900-OFNR	GX084D■■■■9KR
96	GX96-245D-■■■■/900-OFNR	GX096D■■■■9KR
108	GX108-265D-■■■■/900-OFNR	GX108D■■■■9KR
120	GX120-285D-■■■■/900-OFNR	GX120D■■■■9KR
132	GX132-280D-■■■■/900-OFNR	GX132D■■■■9KR
144	GX144-280D-■■■■/900-OFNR	GX144D■■■■9KR

G-Series Plenum Cables 6-Fiber Subgroups (4.5 mm Bundles)

Fiber Count	Old Part Number	New Part Number
12	GX12-125K-■■■■/900-OFNP	GB012K■■■■9■P
18	GX18-125K-■■■■/900-OFNP	GB018K■■■■9■P
24	GX24-125K-■■■■/900-OFNP	GB024K■■■■9■P
30	GX30-135K-■■■■/900-OFNP	GB030K■■■■9■P
36	GX36-150K-■■■■/900-OFNP	GB036K■■■■9■P

G-Series Plenum Cables 12-Fiber Subgroups (5.5 mm Bundles)

Fiber Count	Old Part Number	New Part Number
24	GX24-140K-■■■■/900-OFNP	GX024K■■■■9■P
36	GX36-140K-■■■■/900-OFNP	GX036K■■■■9■P
48	GX48-140K-■■■■/900-OFNP	GX048K■■■■9■P
60	GX60-160K-■■■■/900-OFNP	GX060K■■■■9■P
72	GX72-175K-■■■■/900-OFNP	GX072K■■■■9■P
84	GX84-190K-■■■■/900-OFNP	GX084K■■■■9■P
96	GX96-225K-■■■■/900-OFNP	GX096K■■■■9■P
108	GX108-255K-■■■■/900-OFNP	GX108K■■■■9■P
120	GX120-280K-■■■■/900-OFNP	GX120K■■■■9■P
132	GX132-255K-■■■■/900-OFNP	GX132K■■■■9■P
144	GX144-525K-■■■■/900-OFNP	GX144K■■■■9■P

D-Series Mini Round Duplex Assembly Riser Cables

Fiber Count	Old Part Number	New Part Number
2	DX02-029N-■■■■/900-OFNR	DP002N■■■■9■R

D-Series Mini Round Duplex Assembly Plenum Cables

Fiber Count	Old Part Number	New Part Number
2	DX02-029S-■■■■/900-OFNP	DP002S■■■■9■P

D-Series Mini Round Duplex Assembly Zero Halogen Cables

Fiber Count	Old Part Number	New Part Number
2	DX02-029Z-■■■■/900	DP002Z■■■■9■A

A-Series Micro Assembly Riser Cables

Fiber Count	Old Part Number	New Part Number
1	AX01-016D-■■■■/900-OFNR	AC001D■■■■9■R
2	AX02-016D-■■■■/900-OFNR	AC002D■■■■9■R

A-Series Micro Assembly Plenum Cables

Fiber Count	Old Part Number	New Part Number
1	AX01-016S-■■■■/900-OFNP	AC001S■■■■9■P
2	AX02-016S-■■■■/900-OFNP	AC002S■■■■9■P

A-Series Micro Assembly Zero Halogen Cables

Fiber Count	Old Part Number	New Part Number
1	AX01-016Z-■■■■/900	AC001Z■■■■9■Z
2	AX02-016Z-■■■■/900	AC002Z■■■■9■Z

A-Series Assembly Riser Cables

Fiber Count	Old Part Number	New Part Number
1	AX01-029N-■■■■/900-OFNR	AX001N■■■■9■R
2	AX02-029N-■■■■/900-OFNR	AX002N■■■■9■R

A-Series Assembly Plenum Cables

Fiber Count	Old Part Number	New Part Number
1	AX01-029S-■■■■/900-OFNP	AX001S■■■■9■P
2	AX02-029S-■■■■/900-OFNP	AX002S■■■■9■P

A-Series Assembly Zero Halogen Cables

Fiber Count	Old Part Number	New Part Number
1	AX01-029Z-■■■■/900-OFNR	AX001Z■■■■9■R
2	AX02-029F-■■■■/900-OFNR	AX002Z■■■■9■R

SEAMLESS INTEGRATION

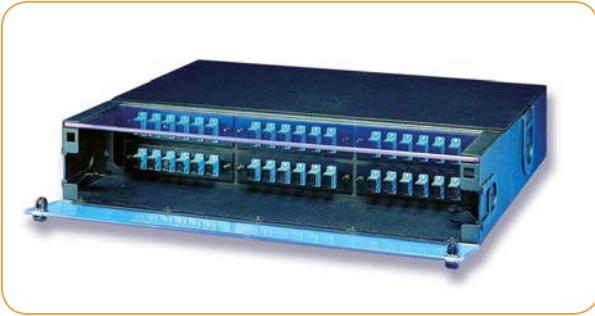
The first prerequisite for seamless integration is the melding of like products to work together.

In May 2008, Optical Cable Corporation acquired SMP Data Communications, a company internationally recognized for its role in establishing data communication connectivity standards, through its innovative and patented technologies, and offering a full range of fiber optic and copper data communication connectivity products.



SMP Data Communications, headquartered near Asheville, North Carolina, is internationally recognized for its role in establishing the world's data communications standards, through its innovative and patented technologies. The company is a wholly owned subsidiary of Optical Cable Corporation (NASDAQ GM: OCCF).

The uncompromising principles that led to the development of the first OCC products remain a constant influence on the design, production and service at Optical Cable Corporation. End-users benefit from fiber optic cables and connectivity products that are easy and economical to install, provide a high degree of reliability and deliver exceptional performance.



Optical Cable is committed to building on the spirit of innovation while staying focused on meeting the changing needs of customers worldwide.

Turn to pages FC 2-FC 22 to see the complete suite of connectivity solutions now offered through the leader in fiber optic connectivity.



Optical Cable Corporation Standard Warranty

Optical Cable Corporation warrants that all fiber optic cables delivered will be free from defects in material and workmanship, and will conform to Optical Cable Corporation specifications in effect at the time of shipment. The terms, conditions, and limitations of this warranty are as follows:

For all fiber optic cables found to be defective under the terms of this warranty, Optical Cable Corporation will (a) repair or provide replacement cables, and (b) pay the shipping costs for returning defective cables and for furnishing repaired or replacement cables.

Optical Cable Corporation will repair and furnish replacement cables under this warranty if (a) Optical Cable Corporation receives, within twelve (12) months of the date Optical Cable Corporation originally shipped the cables in question, a written statement setting forth the nature and suspected cause of the alleged deficiencies in the cables, (b) Optical Cable Corporation is given reasonable opportunity to inspect the installed cables prior to removal for return to Optical Cable Corporation; (c) the cables are returned to Optical Cable Corporation under a factory-issued Return Material Authorization (RMA) number, transportation prepaid, for inspection at Optical Cable Corporation's factory; (d) Optical Cable Corporation testing and inspection disclose to the satisfaction of Optical Cable Corporation that the cables are defective in material or workmanship; and (e) the cables have not been subjected to misuse, improper installation, negligence, or shipping damage.

The stated warranties and remedies are exclusive and in place of all other remedies and warranties, express or implied, including without limitation any implied warranties of merchantability or fitness for a particular purpose and excluding any liability for incidental or consequential damages or for any other liability beyond repair or replacement as provided above. In no event will Optical Cable Corporation's liability exceed the purchase price paid to Optical Cable Corporation for the cables.

Please contact Optical Cable Corporation for optional extended warranties and connectivity partner system warranties.

