

FIBERDYNE LABS, INC.



DATA CENTER SOLUTIONS

MTP® Cabling Solutions

MTP® Cassette Solutions

MTP® Distribution Center Solutions

Aqua 10 (OM3) Gigabit Patchcords

Tera Flow Single Mode Bend Insensitive Patchcords

Fiber Optic Taps

SFP's, CWDM, DWDM Filter Modules

CAT 5e, CAT 6, CAT 6A

Data Cabinet "The Terminator"

Media Converters and Fiber Optic Switches



MTP® is a registered trademark of US Conec, Ltd.

FIBERDYNE LABS, INC.

127 Business Park Drive Frankfort, NY 13340

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MTP® Solutions IBM Requirements

RoHS
Compliant

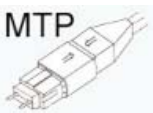
IBM MTP Performance Specifications

- Loss 0.2 dB/fiber Avg., 0.45dB (3 sigma Max)
- Environmental Testing (Less than 0.5dB change)
 - Durability 500 cycles plus
 - Thermal Aging (21 days @ +80 deg C)
 - Humidity (95% RH @ +60 deg C)
 - Temp Cycling (+60 deg C / -40 deg C)
 - Thermal Cycling (0 deg C / +75 deg C)
- Cable Retention (22 lbf)

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 IBM® is a registered trademark of International Business Machines
 Corning® is a registered trademark of Corning Incorporated
 Cisco® is a registered trademark of Cisco Systems, Inc.

Fiberdyne Labs, Inc. offers IBM® compliant premium low loss ® fiber optic trunk assemblies utilizing Data Center distribution plenum cable for 12 fiber and 24 fiber ® assemblies. Higher count MTP® Assemblies are offered with Fiberdyne Data center distribution cable. Fiberdyne Labs also offers a complete product line of Fiber Optic Data Cassettes for MTP to MT-RJ, LC, SC, ST, etc. For flexibility, Fiberdyne offers a complete line of Data Centers housing's for MTP® Cassettes from a simple L panel to a fully accessorized LGX Distribution Center with advanced routing capability.

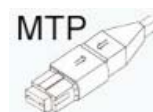
Data Center MTP® Trunk Assemblies- Exceed IBM® Specifications-Lifetime Warranty



Male Connector
(With Pins)



MTP® Assembly



Female Connector
(Without Pins)

<u>Fiberdyne 10 GIG OM3</u>	
<u>Patchcord</u>	<u>DESCRIPTION</u>
<u>PART#</u>	
F9C21C1GCYYXXM	DUPLEX MM 3.0MM DUPLEX, SC-SC, YOKED, RISER RATED, 10 GIG OM3
F9C21C2GCCXXM	DUPLEX 2.0MM DUPLEX, LC-LC, YOKED, RISER RATED, 10 GIG OM3
	COMPLETE LINE OF ASSEMBLIES AVAILABLE WITH ANY LENGTH FIBER AND CONNECTORS
<u>FIBERDYNE</u>	
<u>PART#</u>	<u>DESCRIPTION</u>
F8C8DQ1SCPPxxxM	12 FIBER 10 GIG OM3 MICROCORE PLENUM, MTP-MTP, NO PINS
F8C8DQ1SCPCxxxM-2MM	12 FIBER 10 GIG OM3 MICROCORE PLENUM, MTP-LC CLIPPED, 2MM BREAKOUT, NO PINS
F8C9DQ1SCPPxxxM	24 FIBER 10 GIG OM3 MICROCORE PLENUM, MTP-MTP, NO PINS
F8C9DQ1SCPCxxxM-2MM	24 FIBER 10 GIG OM3 MICROCORE PLENUM, MTP-LC CLIPPED, 2MM BREAKOUT, NO PINS
F8CCRQ1SCPPxxxM	48 FIBER 10 GIG OM3 MICROCORE PLENUM, MTP-MTP, NO PINS
F8CCRQ1SCPCxxxM-2MM	48 FIBER 10 GIG OM3 MICROCORE PLENUM, MTP-LC CLIPPED, 2MM BREAKOUT, NO PINS
F8CDRQ1SCPPxxxM	72 FIBER 10 GIG OM3 MICROCORE PLENUM, MTP-MTP, NO PINS
F8CDRQ1SCPCxxxM-2MM	72 FIBER 10 GIG OM3 MICROCORE PLENUM, MTP-LC CLIPPED, 2MM BREAKOUT, NO PINS
F8CFRQ1SCPPxxxM	144 FIBER 10 GIG OM3 MICROCORE PLENUM, MTP-MTP, NO PINS
F8CFRQ1SCPCxxxM-2MM	144 FIBER 10 GIG OM3 MICROCORE PLENUM, MTP-LC CLIPPED, 2MM BREAKOUT, NO PINS

MTP® Cassette Solution

Single MTP® to LC Cassette



Dual MTP® to LC Cassette



FD12LCXXMTP10G	FIBERDYNE/LGX COMPATIBLE 12 FIBER CASSETTE, 6 DUPLEX LC'S TO 1 MTP BACKPLANE
FD24LCXXMTP10G	FIBERDYNE/LGX COMPATIBLE 24 FIBER CASSETTE, 6 QUAD LC'S TO 2 MTP BACKPLANES

Data Center MTP® Distribution Center Solutions



Part Number	QTY	Description
FB424B2C00000	(1)	RTP-072, Fiberdyne 72 port rack, accepts 12 cassettes
UCC-001	(1)	Clamp kit
FB426B2C00000	(1)	RTP-144, Fiberdyne 144 port rack, accepts 12 cassettes.
UCC-001	(1)	Clamp kit

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Tera Flow Single Mode Bend Insensitive Patchcords for DWDM Networks



Introduction:

DWDM, SONET, SDH and CATV systems are all using DWDM technology to increase the bandwidth of their networks. Telcordia Generic Requirements for Optical Fiber and Cable GR-20-CORE Issue 2 specify a limit of 0.5 db loss per 16-mm bend radius turn on any systems using the C and L bands. Turns which exceed the 0.5 db loss can severely deteriorate the signal amplitude non-linearly across the C and L band causing signal distortion in erbium amplifiers. Fiberdyne Tera Flow Jumpers are designed and tested to meet Telcordia specifications.

TERA FLOW CABLES-FIBERDYNE	
F9C12R2GCLL001M	FIBERDYNE SM BEND INSENSITIVE PLENUM SIMPLEX CABLE, 2.0MM, LC/UPC TO LC/UPC, 1 METER
F9C12R2GCLL002M	FIBERDYNE SM BEND INSENSITIVE PLENUM SIMPLEX CABLE, 2.0MM, LC/UPC TO LC/UPC, 2 METERS
F9C12R2GCLL003M	FIBERDYNE SM BEND INSENSITIVE PLENUM SIMPLEX CABLE, 2.0MM, LC/UPC TO LC/UPC, 3 METERS
F9C12R2GCLL005M	FIBERDYNE SM BEND INSENSITIVE PLENUM SIMPLEX CABLE, 2.0MM, LC/UPC TO LC/UPC, 5 METERS
F9C12R2GCLL010M	FIBERDYNE SM BEND INSENSITIVE PLENUM SIMPLEX CABLE, 2.0MM, LC/UPC TO LC/UPC, 10 METERS
F9C12R2GCLL015M	FIBERDYNE SM BEND INSENSITIVE PLENUM SIMPLEX CABLE, 2.0MM, LC/UPC TO LC/UPC, 15 METERS

Fiber Optic Network Taps

After connecting the Network Tap to the network, one can easily attach or remove the analyzer/monitor equipment without disturbing the network. This product is ideal for use with analyzers such as "sniffers." Enjoy the cost benefits of sharing one network analyzer on multiple network links. This product is a passive optical device and does not require electrical power. It can be used on a variety of optical networks including: ATM, Gigabit and Fast Ethernet. Network Taps are added to existing network links. These modules are described by their channel count. One channel monitors one, full-duplex link. Depending on the module type, multiple channels may be built into a single module. Each channel uses two fiber-optic splitters and six optical connectors. These six connectors include two (2) network inputs, two (2) network outputs, and two (2) tap outlets. The customer must specify the desired tap split ratio, which can be almost any required percentage of the network power. Commonly specified values are 90/10, 80/20 and 50/50.



Network Analyzer Tap - 10 Gigabit laser optimized

Part Number	Description
FAN-3610L3	Laser optimized 10 gigabit MM tap, 90/10 split ration, 850 nm, 6 duplex channels, rack mount with LC connectors.

CWDM Tap

Part Number	Description
FCMON-10810116	CWDM single mode optical tap, single link, 90/10 split ratio, 8 channels, rack mount with LC connectors.

DWDM Tap

Part Number	Description
FDMON-14010116	DWDM single mode optical tap, 40 channel, 100 gig spacing, 90/10 split ratio, rack mount with LC connectors.

SFP's, CWDM, DWDM Filter Modules

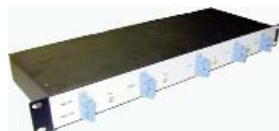
Cisco compliant GBIC's and SFP's

Cisco® is a registered trademark of Cisco Systems, Inc.



Fiberdyne Part # SFP's	Cisco Part #	Description
FDN-GLC-T	GLC-T	Cisco compatible 1000Base-T SFP
FDN-GLC-SX-MM	GLC-SX-MM	Cisco compatible 1000Base-SX SFP
FDN-GLC-LX/LH-SM	GLC-LX/LH-SM	Cisco compatible 1000Base-LX SFP
FDN-GLC-ZX-SM	GLC-ZX-SM	Cisco compatible 1000Base-ZX SFP
FDN-CWDM-SFP-xxxx-nm	CWDM-SFP-XXXX	Cisco compatible CWDM SFP's
Fiberdyne Part # GBIC's	Cisco Part #	Description
FDN-WS-G5483	WS-G5483	Cisco compatible 1000Base-T GBIC
FDN-WS-G5484	WS-G5484	Cisco compatible 1000Base-SX GBIC
FDN-WS-G5486	WS-G5486	Cisco compatible 1000Base-LX/LH GBIC
FDN-WS-G5487	WS-G5487	Cisco compatible 1000Base-ZX GBIC
FDN-CWDM-GBIC-XXXX	CWDM-GBIC-XXXX	Cisco CWDM GBIC

CWDM, DWDM Filter Modules



Connect your CWDM and DWDM SFP's to Fiberdyne's passive Filter modules and mux/de-mux your signal on one single mode fiber. CWDM filter available for all 16 wavelengths and DWDM filters available up to 40 wavelengths. (CWDM and DWDM SFP's available from Fiberdyne Labs.)

CWDM Filter

Part Number	Description
FCM04211510307090U	CWDM single mode optical multiplexer filter, 4 channels, 20 nm spacing, variable attenuator ,90/10 tapcoupler, rack mount, LC connectors, 1510, 1530, 1570, 1590 channels with upgrade port.

DWDM Filter

Part Number	Description
FDM04200521222324U	DWDM single mode optical multiplexer filter, 4 channels, 100Ghz spacing, no variable attenuator ,no tap coupler, rack mount, LC connectors, channels 21, 22, 23, 24 with upgrade port.

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Cat 5e, Cat 6 Patchcords Riser and Plenum

FIBERDYNE PART#	DESCRIPTION
FB000Z10xxxFy	Fiberdyne Cat5e Patchcord, Stranded Non-Plenum, 568B, RJ45-RJ45, No Boots, xxx Feet, y "Color"
FA000Z10xxxFy	Fiberdyne Cat5e Patchcord, Stranded Non-Plenum, 568A, RJ45-RJ45, No Boots, xxx Feet, y "Color"
FB0S0Z10xxxFy	Fiberdyne Cat5e Patchcord, Stranded Non-Plenum, 568B, RJ45-RJ45, With Snagless Boots, xxx Feet, y "Color"
FA0S0Z10xxxFy	Fiberdyne Cat5e Patchcord, Stranded Non-Plenum, 568A, RJ45-RJ45, With Snagless Boots, xxx Feet, y "Color"
FB000610xxxFy	Fiberdyne Cat6 Patchcord, Stranded Non-Plenum, 568B, RJ45-RJ45, No Boots, xxx Feet, y "Color"
FA000610xxxFy	Fiberdyne Cat6 Patchcord, Stranded Non-Plenum, 568A, RJ45-RJ45, No Boots, xxx Feet, y "Color"
FB0S0610xxxFy	Fiberdyne Cat6 Patchcord, Stranded Non-Plenum, 568B, RJ45-RJ45, With Snagless Boots, xxx Feet, y "Color"
FA0S0610xxxFy	Fiberdyne Cat6 Patchcord, Stranded Non-Plenum, 568A, RJ45-RJ45, With Snagless Boots, xxx Feet, y "Color"
FBP00Z10xxxFy	Fiberdyne Cat5e Patchcord, Solid Plenum, 568B, RJ45-RJ45, No Boots, xxx Feet, y "Color"
FAP00Z10xxxFy	Fiberdyne Cat5e Patchcord, Solid Plenum, 568A, RJ45-RJ45, No Boots, xxx Feet, y "Color"
FBPS0Z10xxxFy	Fiberdyne Cat5e Patchcord, Solid Plenum, 568B, RJ45-RJ45, With Snagless Boots, xxx Feet, y "Color"
FAPS0Z10xxxFy	Fiberdyne Cat5e Patchcord, Solid Plenum, 568A, RJ45-RJ45, With Snagless Boots, xxx Feet, y "Color"
FBP00610xxxFy	Fiberdyne Cat6 Patchcord, Solid Plenum, 568B, RJ45-RJ45, No Boots, xxx Feet, y "Color"
FAP00610xxxFy	Fiberdyne Cat6 Patchcord, Solid Plenum, 568A, RJ45-RJ45, No Boots, xxx Feet, y "Color"
FBPS0610xxxFy	Fiberdyne Cat6 Patchcord, Solid Plenum, 568B, RJ45-RJ45, With Snagless Boots, xxx Feet, y "Color"
FAPS0610xxxFy	Fiberdyne Cat6 Patchcord, Solid Plenum, 568A, RJ45-RJ45, With Snagless Boots, xxx Feet, y "Color"
FB005Z10xxxFy	Fiberdyne Cat5e Patchcord, Stranded Non-Plenum, 568B, AMP RJ45-RJ45, No Boots, xxx Feet, y "Color"
FA005Z10xxxFy	Fiberdyne Cat5e Patchcord, Stranded Non-Plenum, 568A, AMP RJ45-RJ45, No Boots, xxx Feet, y "Color"
FB0S5Z10xxxFy	Fiberdyne Cat5e Patchcord, Stranded Non-Plenum, 568B, AMP RJ45-RJ45, With Snagless Boots, xxx Feet, y "Color"
FA0S5Z10xxxFy	Fiberdyne Cat5e Patchcord, Stranded Non-Plenum, 568A, AMP RJ45-RJ45, With Snagless Boots, xxx Feet, y "Color"
FB005610xxxFy	Fiberdyne Cat6 Patchcord, Stranded Non-Plenum, 568B, AMP RJ45-RJ45, No Boots, xxx Feet, y "Color"
FA005610xxxFy	Fiberdyne Cat6 Patchcord, Stranded Non-Plenum, 568A, AMP RJ45-RJ45, No Boots, xxx Feet, y "Color"
FB0S5610xxxFy	Fiberdyne Cat6 Patchcord, Stranded Non-Plenum, 568B, AMP RJ45-RJ45, With Snagless Boots, xxx Feet, y "Color"
FA0S5610xxxFy	Fiberdyne Cat6 Patchcord, Stranded Non-Plenum, 568A, AMP RJ45-RJ45, With Snagless Boots, xxx Feet, y "Color"
FBP05Z10xxxFy	Fiberdyne Cat5e Patchcord, Solid Plenum, 568B, AMP RJ45-RJ45, No Boots, xxx Feet, y "Color"
FAP05Z10xxxFy	Fiberdyne Cat5e Patchcord, Solid Plenum, 568A, AMP RJ45-RJ45, No Boots, xxx Feet, y "Color"
FBPS5Z10xxxFy	Fiberdyne Cat5e Patchcord, Solid Plenum, 568B, AMP RJ45-RJ45, With Snagless Boots, xxx Feet, y "Color"
FAPS5Z10xxxFy	Fiberdyne Cat5e Patchcord, Solid Plenum, 568A, AMP RJ45-RJ45, With Snagless Boots, xxx Feet, y "Color"
FBP05610xxxFy	Fiberdyne Cat6 Patchcord, Solid Plenum, 568B, AMP RJ45-RJ45, No Boots, xxx Feet, y "Color"
FAP05610xxxFy	Fiberdyne Cat6 Patchcord, Solid Plenum, 568A, AMP RJ45-RJ45, No Boots, xxx Feet, y "Color"
FBPS5610xxxFy	Fiberdyne Cat6 Patchcord, Solid Plenum, 568B, AMP RJ45-RJ45, With Snagless Boots, xxx Feet, y "Color"
FAPS5610xxxFy	Fiberdyne Cat6 Patchcord, Solid Plenum, 568A, AMP RJ45-RJ45, With Snagless Boots, xxx Feet, y "Color"

Cat 6A Patchcords, Non Shielded and Shielded

FBNS4A10xxxFy	Fiberdyne Cat6A Patchcord, 6A Stranded Non-Plenum w/Suppression Layer Between Dual Jacket, 568B, Shielded RJ45-Shielded RJ45, With Snagless Boots, xxx Feet, y "Color"
FBAS4A10xxxFy	Fiberdyne Cat6A Patchcord, 6A Stranded Non-Plenum w/Shield between Dual Jackets, 568B, RJ45-Shielded RJ45, With Snagless Boots, xxx Feet, y "Color"

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Terminator



F-TERM

Advanced Data Center fiber optic termination center with the capacity to handle 10 LGX 4U termination centers and up to 2880 individual fusion splices. The Terminator feature large capacity front cable troughs and inside wall mounted fusion splicing modules and cable storage bins.



Side mount fusion splicing module.



Front Mount Vertical Cable Tray



Side mount storage/fusion splicing module



Fusion splice tray



288 Port Distribution Center



MTP 6 pack panel

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Media Converters



FHC-0110-3M02-SC 10/100 Media Converter



FDEC001212 19" Rack Mountable, 16 slot Chassis with two (2) Power Supplies.



FHC-220L 1000Base-T to 1000Base FX(SFP)



FHC-1110-3S20A2 10/100/1000 dual fiber (SC) Media Converter, Internal Power Supply, 20Km



FTX-250S-XX SFP Gigabit Converter or Gigabit Repeater
SFP to SFP for complete flexibility



FREC001212 19" Rack Mountable, 20 slot Chassis with two (2) 120/240 VAC Power Supplies



FTX-250R-SS SFP 1000Base-SX to SFP 1000Base-SX Repeater, rack mount.

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Fiber Optic Switches



VS-G510 5-Port Web Based Managed Gigabit Switch with a SFP port for Fiber



FC-SG2109WEB 9-Port Web Based Gigabit Switch with Fiber Capability



FDV 2416 Eight (8) 10/100/1000 and 16 SFP slot 24 Port Managed Switch

Request our 124 page catalog today!

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FIBER OPTIC AND COMMUNICATION PRODUCTS

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- Cable Assemblies
- Termination Boxes & Hardware
- Data Center
- FTTH
- Test Equipment
- Ethernet Products
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Solutions for Telecommunications - CATV and Data Communications

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