

OPTICAL FIBER DATA CENTER/SAN PRODUCTS

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Chapter Summary

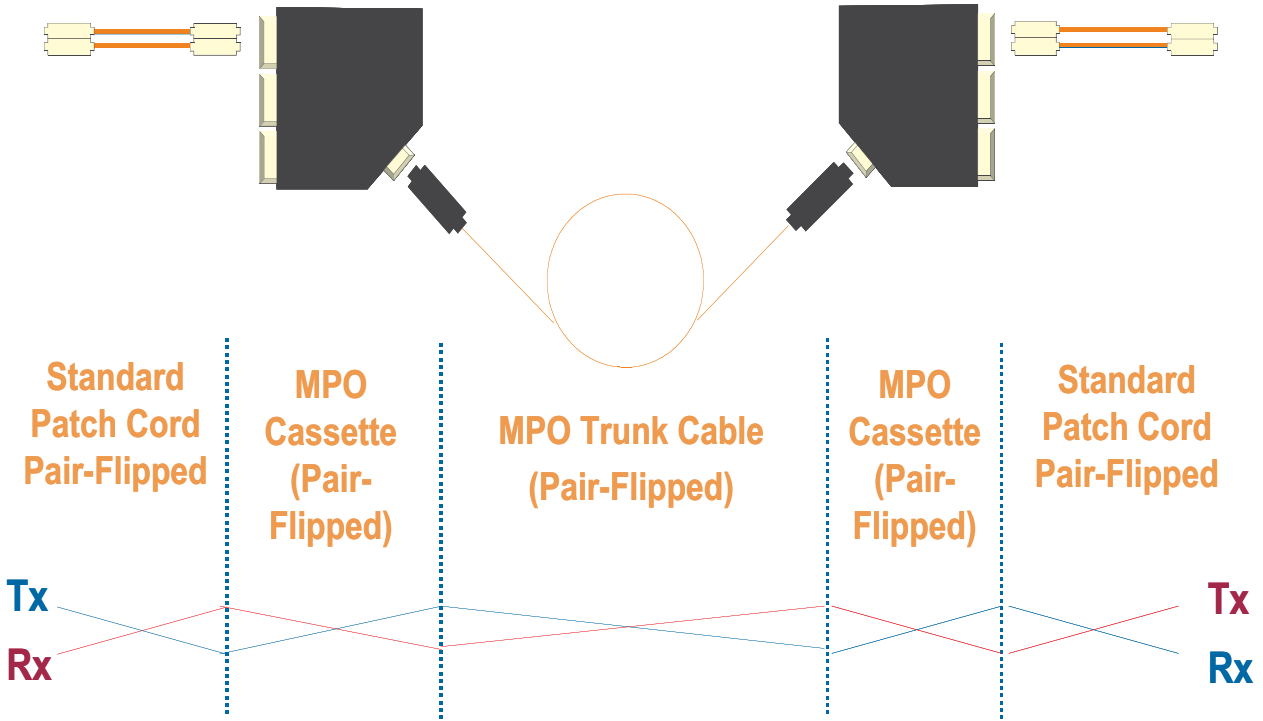
- PARA-OPTIX trunk cables pre-terminated with high-density MPO 72-fiber connectors
- MPO trunk cables pre-terminated with high-density MPO 12-fiber connectors
- Cassettes offer MPO fiber break out in convenient and easy-to-install package
- Simple, flexible fiber cabling system for LAN, SAN and Data Center installations
- Best combination of high data rates, fast installation and reliability

2.4

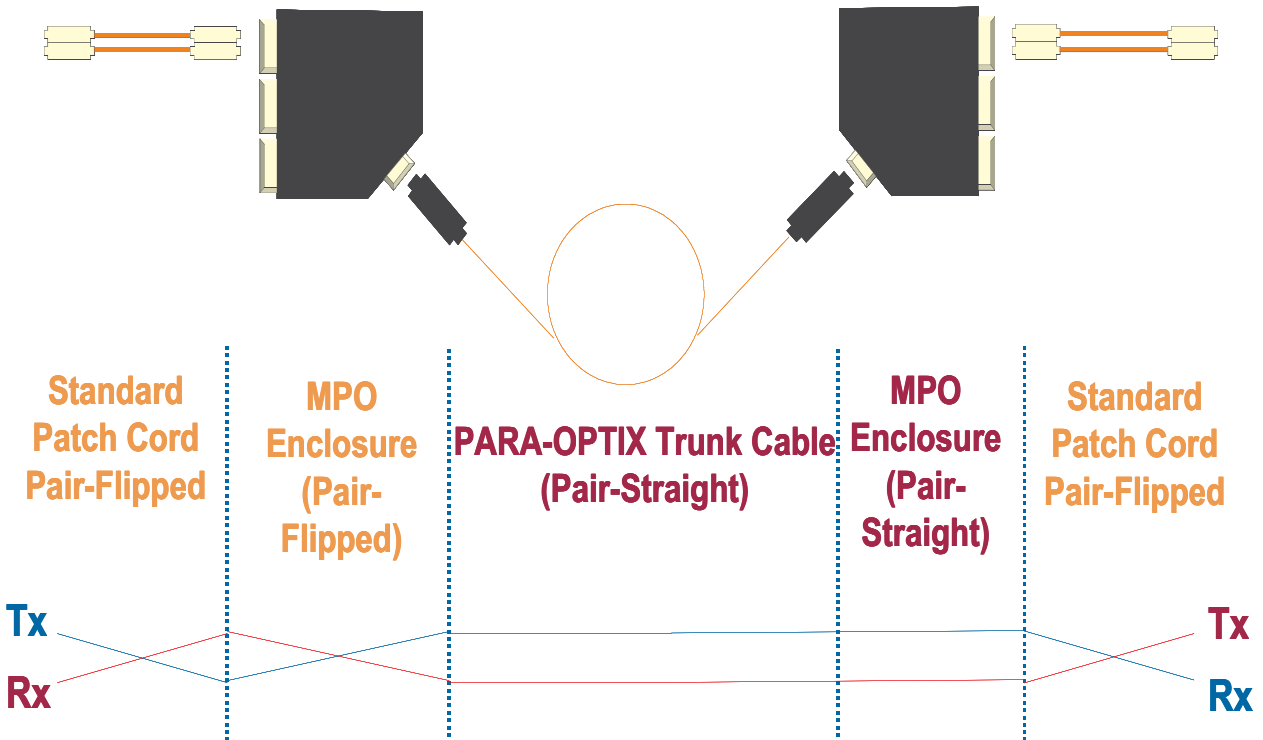


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System Polarity with MPO Pair-Flipped AB/BA Trunk Cable



System Polarity with PARA-OPTIX Pair-Straight AB/AB Trunk Cable



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PARA-OPTIX Backbone Enclosure Kit Part Number 1919547-1

Kit Includes:

- : 1 Pair-Straight AB/AB PARA-OPTIX Enclosure
- : 1 Pair-Flipped AB/BA PARA-OPTIX Enclosure

Each Enclosure provides 36 LC Duplex Connectors to a single 72 fiber MPO connector interface using XG (850nm LO 50/125 μm) fiber.



Product Facts

- 1U high rack mounted enclosures
- Pre-installed cable management
- High density saves space and installation time

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PARA-OPTIX Trunk Assembly



Product Facts

- 72 XG (850nm LO 50/125 μm) fibers in a single MPO style connector
- Pulling socks protect MPO style terminations during installation
- Trunk cable and Enclosures Pre-tested and ready for installation
- Trunk cable must be connected between Pair-Flipped AB/BA and Pair-Straight AB/AB Enclosure (see polarity diagram)

Description	Fiber Type	UL/NEC Ratings	Jacket Color	Part Number
72 Fiber Trunk Assembly, Pair-Straight AB/AB	XG (850 nm LO 50/125 μm)	Plenum (OFNP)	Aqua	1919505-X
X denotes length in feet: -1 = 10, -2 = 20, -3 = 30, -4 = 40, -5 = 50, -6 = 60, -7 = 70, -8 = 80, -9 = 90, 1--0 = 100, 1--1 = 110, 1--2 = 120, 1--3 = 130, 1--4 = 140, 1--5 = 150, 1--6 = 160, 1--7 = 170, 1--8 = 180, 1--9 = 190, 2--0 = 200, 2--1 = 210, 2--2 = 220, 2--3 = 230, 2--4 = 240, 2--5 = 250, 2--6 = 260, 2--7 = 270, 2--8 = 280, 2--9 = 290, 3--0 = 300				

Optional System Products

Description	Fiber Type	UL/NEC Ratings	Jacket Color	Part Number
LC Duplex to LC Duplex Cable Assemblies	XG (850 nm LO 50/125 μm)	Riser (OFNR)	Aqua	6828317-X
		Plenum (OFNP)	Aqua	1907451-X
Rear Cable Management	-	-	-	556561-1
Grounding Lug Kit	-	-	-	556438-1
White Front Labels	-	-	-	1375354-1
Blue Front Labels	-	-	-	1375354-2
X denotes length in meters: -1 = 1, -2 = 2, -3 = 3, -4 = 4, -5 = 5, -6 = 6, -7 = 7				

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MPO Trunk Cable Assemblies



with Pulling Socks

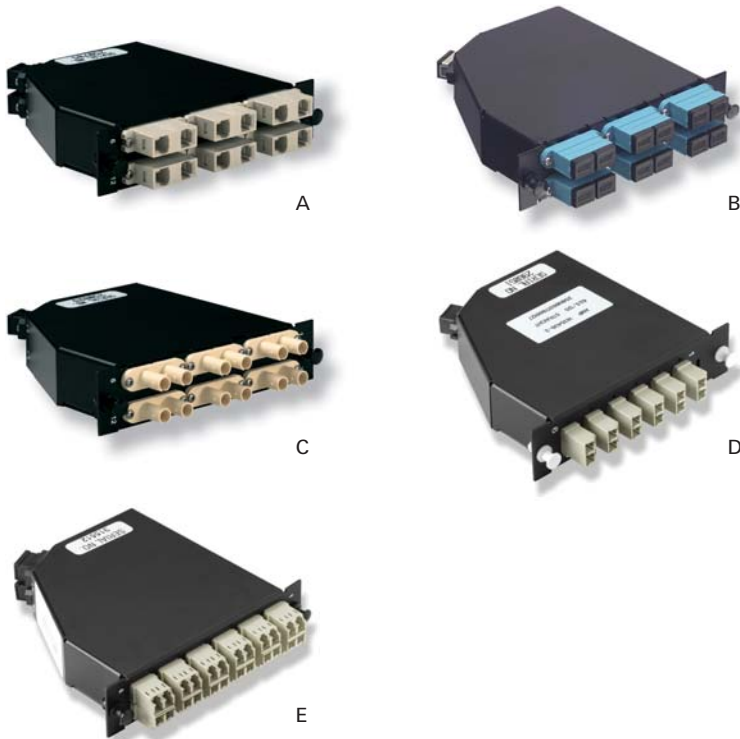
Product Facts

- Trunk cable fiber polarity is Pair-Flipped AB/BA (see polarity diagram this Chapter)
 - Trunk cables with Pair-Straight AB/AB polarity are available
- Pulling socks protect MPO terminations during installation
- Twelve (12) fibers per MPO plug
- Trunk cables come pre-tested and ready for installation
- 12 and 24 fiber MPO Trunk cables meet or exceed the requirements of GR-409-CORE and UL/NEC rating for Riser and Plenum applications.
- Plenum Cables can be used in riser spaces
- Custom counts and lengths are available

Description	Fiber Type	UL/NEC Ratings	Jacket Color	Part Number
12-Fiber, Pair-Flipped (AB/BA)	50/125 μm	Plenum (OFNP) Riser (OFNR)	Orange	6435028-X
	XG (850 nm LO 50/125 μm)	Plenum (OFNP) Riser (OFNR)	Aqua	1907404-X
	62.5/125 μm	Plenum (OFNP) Riser (OFNR)	Orange	6435024-X
	Single-mode	Plenum (OFNP) Riser (OFNR)	Yellow	6435070-X
24-Fiber, Pair-Flipped (AB/BA)	50/125 μm	Plenum (OFNP) Riser (OFNR)	Orange	6435029-X
	XG (850 nm LO 50/125 μm)	Plenum (OFNP) Riser (OFNR)	Aqua	1754687-X
	62.5/125 μm	Plenum (OFNP) Riser (OFNR)	Orange	6435025-X
	Single-mode	Plenum (OFNP) Riser (OFNR)	Yellow	6754882-X
72-Fiber, Pair-Flipped (AB/BA)	50/125 μm	Plenum (OFNP) Riser (OFNR)	Orange	6435031-X
	XG (850 nm LO 50/125 μm)	Plenum (OFNP)	Aqua	1828803-X
	62.5/125 μm	Plenum (OFNP) Riser (OFNR)	Orange	6435027-X

X denotes length in feet: -1 = 10, -2 = 20, -3 = 30, -4 = 40, -5 = 50, -6 = 60, -7 = 70, -8 = 80, -9 = 90, 1-0 = 100, 1--1 = 110, 1--2 = 120, 1--3 = 130, 1--4 = 140, 1--5 = 150, 1--6 = 160, 1--7 = 170, 1--8 = 180, 1--9 = 190, 2--0 = 200, 2--1 = 210, 2--2 = 220, 2--3 = 230, 2--4 = 240, 2--5 = 250, 2--6 = 260, 2--7 = 270, 2--8 = 280, 2--9 = 290, 3--0 = 300

MPO Optical Fiber Cassettes



Product Facts

- Cassette fiber polarity is Pair-Flipped (AB/BA)
- Cassettes with polarity Pair-Straight (AB/AB) are available
- Cassettes have one MPO connection (12-Fiber) or two MPO connections (24-Fiber) on the back of each cassette
- Highest density option uses small form factor connectors (MT-RJ or LC)
- Cassettes house one or two MPO 12-fiber break-out assemblies
- Cassettes have same footprint as Snap-in Adapter Plates mount in all AMP NETCONNECT enclosures that accept Snap-in Adapter Plates
- Factory tested and ready for installation

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Description	Fiber Type	Fiber Count	Duplex Port Count	Adapter Color	Figure	Part Number	
MT-RJ	50/125 μm	12	6	Black	–	6754286-1	
		24	12	Black	–	6754288-1	
	XG (850 nm LO 50/125 μm)	12	6	Aqua	–	1918777-1	
		24	12	Aqua	–	1918778-1	
	62.5/125 μm	12	6	Beige	–	6754285-1	
		24	12	Beige	A	6754287-1	
Single-mode		12	6	Blue	–	1938996-1	
		24	12	Blue	–	6828819-1	
SC	50/125 μm	12	6	Black	–	6435181-2	
	XG (850 nm LO 50/125 μm)	12	6	Aqua	–	6754333-2	
	62.5/125 μm	12	6	Black	–	6435180-2	
	Single-mode	12	6	Blue	B	6435069-2	
ST	50/125 μm	12	6	Black	C	6435067-2	
	62.5/125 μm	12	6	Black	C	6278418-2	
LC	50/125 μm	12	6	Black	–	1918779-1	
		24	12	Black	–	1918780-1	
	XG (850 nm LO 50/125 μm)	12	6	Aqua	–	1918783-1	
		24	12	Aqua	–	1918784-1	
	62.5/125 μm	12	6	Beige	D	1918781-1	
		24	12	Beige	E	1918782-1	
	Single-mode		12	6	Blue	–	1938056-1
			24	12	Blue	–	1918786-1

