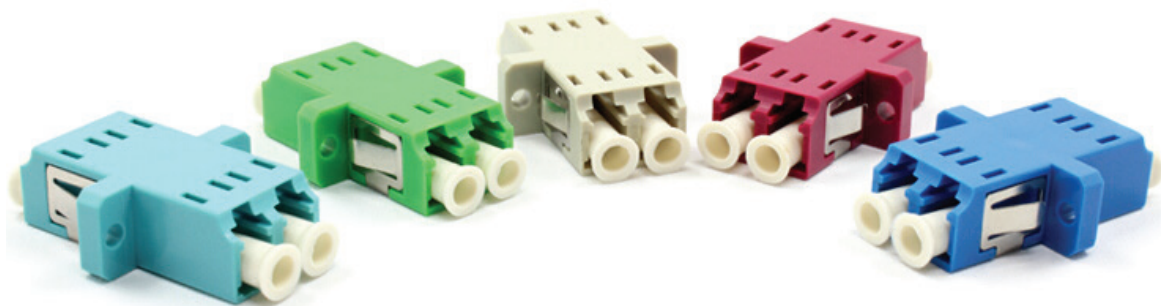




Setting the Standards

Fiber Optic Adapter



Description

Oxin fiber optic adapters allow users to interconnect and precisely align two connectors of same interface and same gender. Their precise alignment mechanisms provide flawless contact between connectors' end face, and mating sleeves are manufactured with phosphorus bronze or zirconia ceramic, depending on network requirements, to uphold the level of desired performance. Zirconia ceramic sleeves are recommended for multimode OM3 and OM4 performance, and single mode OS1 or OS2.

Features and Benefits

1. Low insertion loss to minimize impact of loss budgets
2. Precise alignment for a reliable glass-to-glass contact
3. High repeatability to ensure durable multi-mating applications
4. Manufactured with high performance component materials

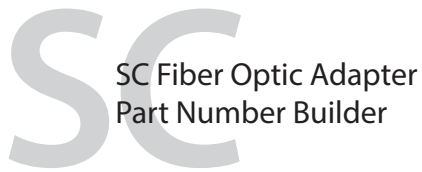
Applications

- Data center
- Fiber-to-the-home (FTTH)
- Test facilities and instruments
- Central office
- Cellular tower base station Telecommunications room Equipment room
- Consolidation point

Certification and Compliance

GR-326-CORE	Generic Requirements for Single Mode Optical Connectors and Jumper Assemblies
ANSI/TIA-568-C.3	Optical Fiber Cabling Components Standard
TIA-604 series	Fiber Optic Connector Intermateability Standard
TIA-455 series	Standard Test Procedure for Fiber Optic Components
IEC 60874-1	Connectors for Optical Fibers and Cables, Generic Standard
IEC 61300 series	Fiber Optic Interconnecting Devices and Passive Components, Basic Test and Measurement Procedures
UL 94	Tests for Flammability of Plastic Material for Parts in Devices and Appliances
RoHS	Directive on Restriction of Hazardous Substances

Fiber Optic Adapter



FAD - SC		A	BB	C	D
Sleeve	Single mode		Housing		Design
1	SS	SD	P	0	
Zirconia Ceramic	Simplex Blue	Duplex Blue	Thermoplastic	No flange	
2	AS	AD	M	1	
Phosphorous Bronze	APC Simplex Green	APC Duplex Green	Metal	Flanged	
		Multimode			
		MS	MD		
		Simplex Beige	Duplex Beige		
		3S	3D		
		OM3/OM4 Simplex Aqua	OM3/OM4 Duplex Aqua		



SC single mode
simplex flanged
FAD-SC1SSP1



SC APC single mode
simplex flanged
FAD-SC1ASP1



SC multimode
simplex flanged
FAD-SC2MSP1



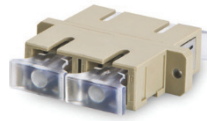
SC OM3/OM4 multimode
simplex flanged
FAD-SC23SP1



SC single mode
duplex flanged
FAD-SC1SDP1



SC APC single mode
duplex flanged
FAD-SC1ADP1



SC multimode
duplex flanged
FAD-SC2MDP1



SC OM3/OM4 multimode
duplex flanged
FAD-SC23DP1

Fiber Optic Adapter

LC
LC Fiber Optic Adapter
Part Number Builder

FAD - LC

		A	B	C	D
		Sleeve	Performance	Configuration	Design
1	Zirconia Ceramic	S Single mode	S Simplex	N No flange	
2	Phosphorous Bronze	A Single mode APC	D Duplex	F Flanged	
		M Multimode OM2	Q Quad		
		3 Multimode M3/OM4			

FAD - MTRJ **A**

MTRJ
MTRJ Fiber Optic Adapter
Part Number Builder

Design
N No flange
F Flanged



MTRJ no flange
FAD-MTRJN



MTRJ flanged
FAD-MTRJF

Fiber Optic Adapter



LC single mode
simplex no flange
FAD-LC1SSN



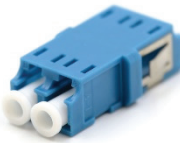
LC APC single mode
simplex no flange
FAD-LC1ASN



LC multimode
simplex no flange
FAD-LC2MSN



LC OM3/OM4
simplex no flange
FAD-LC23SN



LC single mode
duplex no flange
FAD-LC1SDN



LC APC single mode
duplex no flange
FAD-LC1ADN



LC multimode
duplex no flange
FAD-LC2MDN



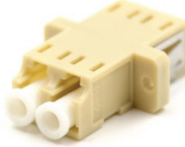
LC OM3/OM4
duplex no flange
FAD-LC23DN



LC single mode
duplex flanged
FAD-LC1SDF



LC APC single mode
duplex flanged
FAD-LC1ADF



LC multimode
duplex flanged
FAD-LC2MDF



LC OM3/OM4
duplex flanged
FAD-LC23DF



LC single mode
quad no flange
FAD-LC1SQN



LC APC single mode
quad no flange
FAD-LC1AQN



LC multimode
quad no flange
FAD-LC2MQN



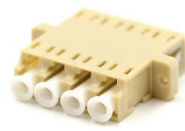
LC OM3/OM4
quad no flange
FAD-LC23QN



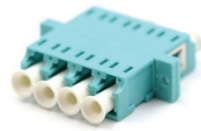
LC single mode
quad flanged
FAD-LC1SQF



LC APC single mode
quad flanged
FAD-LC1AQF



LC multimode
quad flanged
FAD-LC2MQF



LC OM3/OM4
quad flanged
FAD-LC23QF

Fiber Optic Adapter

FC FC Fiber Optic Adapter
Part Number Builder

FAD - FC		A	BB	C	D
Sleeve		Design		Housing	Fiber type
1	Zirconia Ceramic	DS	D shape	P	S
2	Phosphorous Bronze	SS	Square Simplex	M	M
		RD	Rectangle Duplex		A
					Single mode APC



FC single mode
D-shape
FAD-FC1DSMS



FC single mode
square simplex
FAD-FC1SSMS



FC single mode
rectangle duplex
FAD-FC1RDMS



FC APC single mode
D-shape
FAD-FC1DSMA



FC APC single mode
square simplex
FAD-FC1SSMA



FC APC single mode
rectangle duplex
FAD-FC1RDMA



FC multimode
D-shape
FAD-FC2DSMM



FC multimode
square simplex
FAD-FC2SSMM



FC multimode
rectangle duplex
FAD-FC2RDMM

Fiber Optic Adapter

ST

ST Fiber Optic Adapter
Part Number Builder

FAD - ST		A	B	C	D
		Sleeve	Performance	Configuration	Housing
1	Zirconia Ceramic	S	Single mode	S	P
2	Phosphorous Bronze	M	Multimode	D	M
		A	Single mode APC		



ST single mode
simplex
FAD-ST1SSM



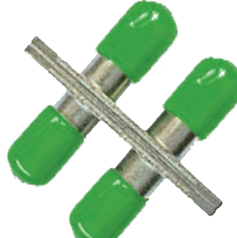
ST single mode APC
simplex
FAD-ST1ASM



ST multimode
simplex
FAD-ST2MSM



ST single mode
duplex
FAD-ST1SDM



ST single mode APC
duplex
FAD-ST1ADM



ST multimode
duplex
FAD-ST2MDM

Fiber Optic Adapter

FAD - E2000

A

E2000
E2000 Fiber Optic Adapter
Part Number Builder

Performance

S

Single mode

A

Single mode

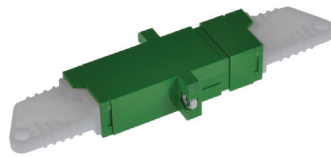
APC

M

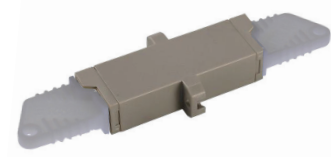
Multimode



E2000 single mode
FAD-E2000S



E2000 single mode APC
FAD-E2000A



E2000 multimode
FAD-E2000M

FAD - DIN

A

DIN
DIN Fiber Optic Adapter
Part Number Builder

Performance

U

UPC

A

APC



DIN UPC
FAD-DNU



DIN APC
FAD-DNA

Fiber Optic Adapter



Ordering Information	Description	Part Number				
	Fiber Optic Adapter	OXIN-FAD-XXXXX				
Packaging	Description					
	20 or 25 pcs/lot					
Optical Performance	Parameter	SM UPC	SM APC	OM1	OM2	OM3
	Insertion Loss	≤ 0.3 dB	≤ 0.3 dB	≤ 0.3 dB	≤ 0.3 dB	≤ 0.3 dB
	Return Loss	≤ -55 dB	≤ -65 dB	N.A	N.A	N.A
	Notes: The optical performances of MPO/MTP and MTRJ mating sleeves are dependent on the connectors' alignment guide pins tolerance. Optical performances of MTRJ mating sleeves are compliant with TIA-604-12. Optical performances of MPO mating sleeves are compliant with TIA-604-5. MPO/MTP and MTRJ are compliant with ANSI/TIA-568-C.3.					
Physical Characteristics	Parameter	Value				
	Fiber count capacity	Simplex (1 fiber), duplex (2 fibers), quad (4 fibers)				
	Plastic material	UL 94V-0 ABS high-impact thermoplastic				
Mechanical Characteristics	Parameter	Value				
	Operating temperature	-40 ~ +75°C				
	Storage temperature	-40 ~ +85°C				
	Temperature cycling	-40 ~ +75°C , 40 cycles = 0.2 dB change				
	High temperature	70°C for 96 hours = <0.4 dB change				
	Mating durability	500 mating cycles (cleaning every 25 matings) = <0.2dB change				
	Damp heat	40°C at %93 RH for 96 hours = <0.4 dB change				