



Description

Oxin fiber optic hybrid adapters allow users to interconnect fiber optic cable assemblies featuring different interfaces' types and/or genders. Their precise alignment mechanisms provide flawless contact between connectors' end face. Mating sleeves and ferrules 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. In the case of hybrid adapters with a male gender, the ferrule is made with zirconia ceramic by default.

Features and Benefits

- 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
- Data center
- Fiber-to-the-home (FTTH)

Applications

- 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					
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					
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LC male to LC female single mode simplex FAH-11-LCMLCF-SP



LC female to SC female single mode simplex FAH-11-LCFSCF-SP



LC female to SC male single mode simplex FAH-11-LCFSCM-SP



LC male to SC female single mode simplex FAH-11-LCMSCF-SM



SC male to SC female single mode simplex FAH-11-SCMSCF-SM



LC male to LC female APC single mode simplex FAH-13-LCMLCF-SP



LC female to SC female APC single mode simplex FAH-13-LCFSCF-SP



LC female to SC male APC single mode simplex FAH-13-LCFSCM-SP



LC male to SC female APC single mode simplex FAH-13-LCMSCF-SM



SC male to SC female APC single mode simplex FAH-13-SCMSCF-SM



LC male to LC female multimode simplex FAH-22-LCMLCF-SP



LC female to SC female multimode simplex FAH-22-LCFSCF-SP



LC female to SC male multimode simplex FAH-22-LCFSCM-SP



LC male to SC female multimode simplex FAH-22-LCMSCF-SM



SC male to SC female multimode simplex FAH-22-SCMSCF-SM



ST female to FC male single mode simplex FAH-11-STFFCM-SM



ST male to FC female single mode simplex FAH-11-STMFCF-SM



ST female to FC female single mode simplex FAH-11-STFFCF-SM



ST male to ST female single mode simplex FAH-11-STMSTF-SM



ST male to ST female single mode simplex FAH-11-STMSTF-SM



SC female to ST male single mode simplex FAH-11-STMSCF-SM



SC male to ST female single mode simplex FAH-11-SCMSTF-SP



SC female to ST female single mode simplex FAH-11-SCFSTF-SP



SC female to ST female single mode duplex FAH-11-SCFSTF-DP



ST male to ST female multimode simplex FAH-22-STMSTF-SM



SC female to ST male multimode simplex FAH-22-STMSCF-SM



SC male to ST female multimode simplex FAH-22-SCMSTF-SP



SC female to ST female multimode simplex FAH-22-SCFSTF-SP



SC female to ST female multimode duplex FAH-22-SCFSTF-DP



FC male to FC female single mode simplex FAH-11-FCMFCF-SM



SC female to FC female single mode simplex FAH-11-SCFFCF-SM



SC male to FC female single mode simplex FAH-11-SCMFCF-SP



SC female to FC male single mode simplex FAH-11-SCFFCM-SM



LC male to FC female single mode simplex FAH-11-LCMFCF-SM



LC female to FC male single mode simplex FAH-11-LCFFCM-SM



FC male to FC female multimode simplex FAH-22-FCMFCF-SM



SC female to FC female multimode simplex FAH-22-SCFFCF-SM



SC male to FC female multimode simplex FAH-22-SCMFCF-SP



SC female to FC male multimode simplex FAH-22-SCFFCM-SM

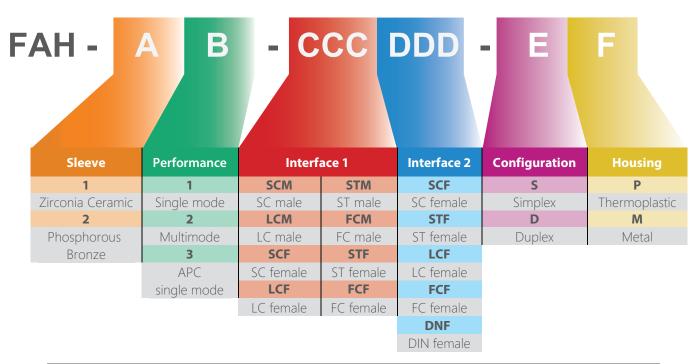


LC male to FC female multimode simplex FAH-22-LCMFCF-SM



LC female to FC male multimode simplex FAH-22-LCFFCM-SM

Fiber Optic Hybrid Adapter Part Number Builder



Ordering	Description		Part Number				
Information	Fiber Optic Hybrid Adapter		OXIN-FAH-XX-XXXXXX-XX				
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	
Physical Characteristics	Parameter		Value				
	Fiber count capacity		Simplex (1 fiber), duplex (2 fibers)				
	Plastic material		UL 94V-0 ABS high-impact thermoplastic				
Mechanical	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				



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