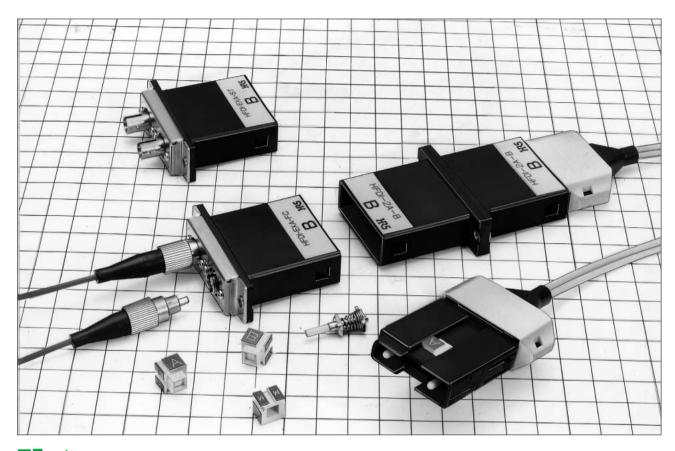
Optical Connectors for 100Mbps Backbone LAN





■Features

1.FDDI Specification

These duplex connectors for use with multimode optical fiber are suited to 100 Mbps backbone LAN based on the FDDI specification.

2. Simple Field Work, Simple Product Inventory

Use of a key block permits one type of main unit to correspond to 4 types of keys (A, B, M, and S). This convenience offers the following advantages:

- (1) In field work, having one kind of main unit and one key block will permit correspondence with all 4 types of keys (A, B, M, and S).
- (2) Also in product inventory, stocking one kind of main unit and key blocks will permit correspondence with the various keys and simplify inventory work.

3.Lock Structure

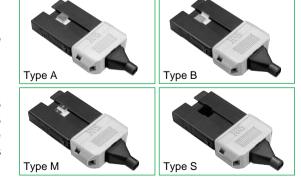
A slide lock cover system has been used which allows operation from whichever direction is desired. In this design the lock cover is not exposed which means the lock will not be accidentally released even if it is bumped.

Applications

LAN, computer transfer systems, etc.

Key-Conversion Type





■Product Standards

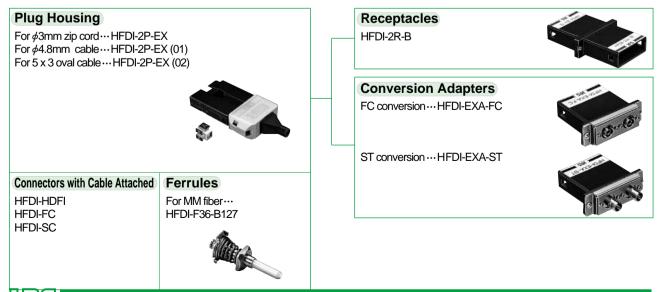
Rating Operating temperature rang	-25℃~70℃	Storage temperature range	-25℃~85℃
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	Item	Test Method (JIS C 5961)	Standard
Optical	Insertion loss	1,300nm wavelength (LD)	0.3 dB or less (PC) 0.7 dB or less (flat)
Performance	Reflection attenuation	1,300nm wavelength (LED)	22 dB or greater (PC)
			Coupling force 39.2 N or less Separation force 39.2 N or less
Mechanical	Cable clamp strength (Pulling in direction of axis)	Insertion loss fluctuation after test:0.2 dB or less No irregularity in clamp section or cable	
Performance	Repetitive Operation	500 times	
Vibration resistance		Vibration range of 10 to 55 Hz, in 3 directions, 3 hours each	
	Shock resistance	Acceleration of 981 m/s2, in 3 directions, 3 times each	1) Insertion loss fluctuation after test:0.2 dB or less
F	Humidity resistance (Temperature and humidity cycle)	Temperature, -10℃ to 65℃ Humidity 90 to 96% 10 cycles	2) No damage, cracks, or part looseness
Environmental performance	Temperature cycle	Temperature -25 to 70℃ 100 cycles	
	Heat resistance Leave for 960 hours at a temperature of 85°C		
	Cold resistance	Leave for 960 hours at a temperature of -25℃	
	Salt fog	Left in a 5% concentration of salt fog for 48 hours	No conspicuous corrosion

■Materials

Part name	Material
Plug housing	Polybutylene terephthalate
Coil spring	Stainless steel
Ferrule	Zirconia
Adapter housing	Polybutylene terephthalate
Split sleeve	Copper alloy

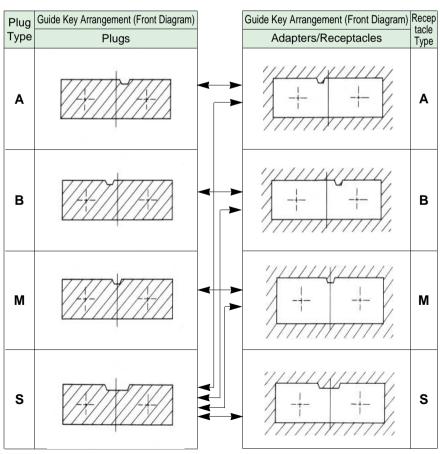
■Function Diagram



■Guide Key Arrangement

Type	Guide Key Arranger	ment (Front Diagram)	
Туре	Plugs	Adapters/Receptacles	
A		+++/,	
В		-++-	
M		·/////////////////////////////////////	
s		- - +	

■Connection Pattern



■Plug Housing

●Key-Conversion Type



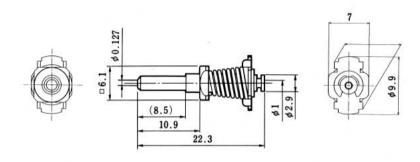
Auburn white (Base) Guide key mounting hole Blue Red Green HFDI-2P-EX Guide key

HRS No.	Product Number	Suitable Cable
CL705-0057-7	HFDI-2P-EX	φ3mm zip cable
CL705-0057-7-01	HFDI-2P-EX(01)	
CL705-0057-7-02	HFDI-2P-EX(02)	5 x 3 oval cable

NOTE: When using with guide key S, remove the guide key from the housing.

■Ferrule

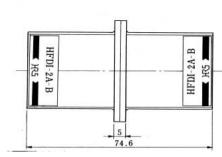


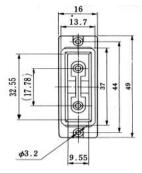


HRS No.	Product Number	Suitable Optical Fiber
CL705-0043-2-01	HFDI-F36-B127	GI-50/125, GI-62.5/125

■Adapters





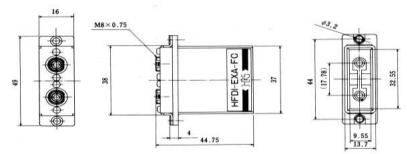


HRS No.	Product Number	Guide Key Type
CL705-0024-8	HFDI-2A-B	None
CL705-0025-0	HFDI-2A-B (A)	A
CL705-0026-3	HFDI-2A-B (B)	В
CL705-0027-6	HFDI-2A-B (M)	M
CL705-0028-9	HFDI-2A-B (S)	S

■Conversion Adapters

●FC Conversion Type

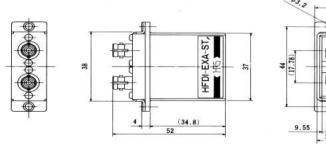




HRS No.	Product Number	Guide Key Type	Notes
CL705-0016-0	HFDI-EXA-FC	None	
CL705-0017-2	HFDI-EXA-FC (A)	А	EDDI 4- EO
CL705-0018-5	HFDI-EXA-FC (B)	В	FDDI to FC conversion adapter
CL705-0019-8	HFDI-EXA-FC (M)	М	conversion adapter
CL705-0020-7	HFDI-EXA-FC (S)	S	

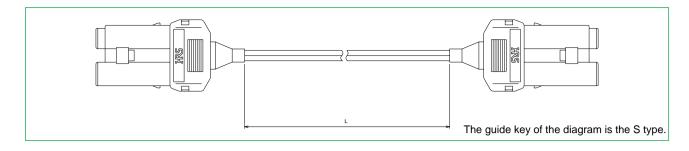
ST Conversion Type





Notes	Guide Key Type	Product Number	HRS No.
	None	HFDI-EXA-ST	CL705-0029-1
EDDI 4- OT	Α	HFDI-EXA-ST (A)	CL705-0030-0
FDDI to ST conversion adapter	В	HFDI-EXA-ST (B)	CL705-0031-3
	М	HFDI-EXA-ST (M)	CL705-0032-6
	S	HFDI-EXA-ST (S)	CL705-0033-9

■Connectors with Cable Attached



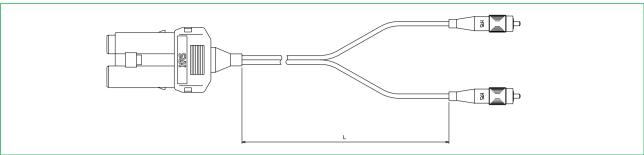
Product Number	Connector Mounting End	Suitable Optical Fiber	Type of Polishing	Reflection Attenuation	Cable Diameter	Housing
HFDI-FP1-F3BW-L	One end	GI-50/125				
HFDI-FP2-F3BW-L	Both ends	G1 30/123	Flat	_		
HFDI-FP1-F3CW-L	One end	GI-62.5/125	riat			
HFDI-FP2-F3CW-L	Both ends	01-02.5/125			ϕ 3 zip cord	HFDI-2P-EX
HFDI-SP1-F3BW-L	One end	GI-50/125			Zip colu	THE BIZI EX
HFDI-SP2-F3BW-L	Both ends	GI-30/123	PC	≥22		
HFDI-SP1-F3CW-L	One end	GI-62.5/125	. 0	=22		
HFDI-SP2-F3CW-L	Both ends	G1 02.5/125				

^{*}The guide key part will be appended.

^{**}The "L" within the Product Number indicates the length of the cable illustrated in the diagram. Please specify values in meter units.

■Conversion Cables

•FC Conversion Type

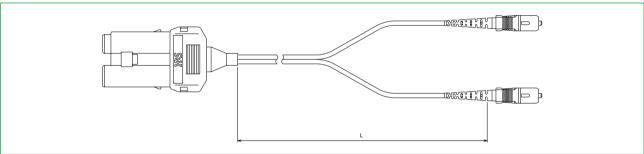


The guide key of the diagram is the S type.

HRS No.	Suitable Optical Fiber	Type of Polishing	Reflection Attenuation	Cable Diameter	Housing
CA011055-FBW-L	GI-50/125	Flat -			
CA011055-FCW-L	GI-62.5/125	Гац	_	42 zip oord	HFDI-2P-EX or HRFC-P1-H
CA011055-SBW-L	GI-50/125	PC	≥22	ϕ 3 zip cord	HEDI-ZE-EX OI HREC-ET-H
CA011055-SCW-L	GI-62.5/125	PC	<u>≤</u> 22		

^{*}The guide key part will be appended.

SC Conversion Type



The guide key of the diagram is the S type.

HRS No.	Suitable Optical Fiber	Type of Polishing	Reflection Attenuation	Cable Diameter	Housing	
CA041055-FBW-L	GI-50/125	Flat -		_		
CA041055-FCW-L	GI-62.5/125	Flat	_	HFDI-2P-EX or HSC-PH3-A2		
CA041055-SBW-L	GI-50/125	PC	≥22	φ3 zip cord	NFDI-2P-EX OI NOC-PNO-AZ	
CA041055-SCW-L	GI-62.5/125	PC	<u>=</u> 22	<u> </u>		

[※]The guide key part will be appended.

■Crimping Tool (For Cable Crimping)



Product Number	Product Number
HFDI-T1	HFDI-2P-EX

^{**}The "L" within the Product Number indicates the length of the cable illustrated in the diagram. Please specify values in meter units.

^{**}The "L" within the Product Number indicates the length of the cable illustrated in the diagram. Please specify values in meter units.