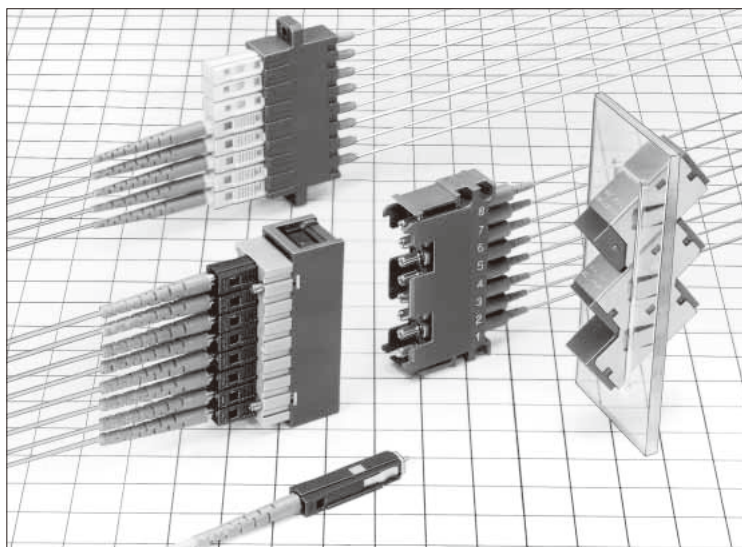
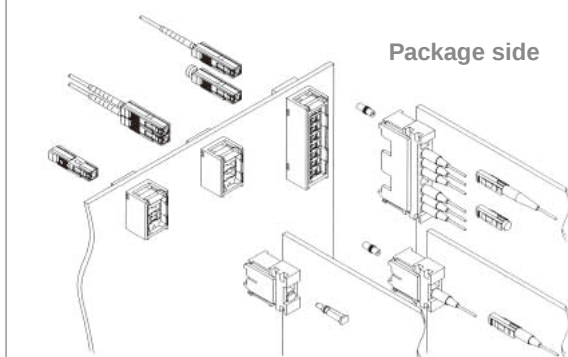


MU Type Fiber Optic Connectors

HMU Series



Back panel side



■ Features

1. IEC, JIS standard compliant and intermateability test certified.

Comply with JIS C 5983 (F14 type fiber optic connectors) and IEC 61754-6.

MU intermate test by NTT certified connector.

2. Flame resistant

Satisfies flammability rating UL94V-0

3. Backplane

MU Backplane connector has a self-holding mechanism which does not transfer any force on the back panel when both side of connector assemblies are fully connected. Back panel side connectors can be removed or inserted even both sides are mated.

4. Wide Variety of adapter type

Type	Single	Duplex	4 way	8 way	16 way
Board Mounting	✓	✓	—	✓	—
Snap-in Panel Mounting & Screw Panel Mounting	✓	✓	✓ (Only Snap-in)	✓	✓

5. Simplified plugs and Receptacles

Extremely small size (only 13.75mm Plug length). MU simplified plug is designed for equipments inside connection.

Алматы (7273)495-231
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-03-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47

Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Саранск (8342)22-96-24
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Тверь (4822)63-31-35

Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Улан-Удэ (3012)59-97-51
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

Россия +7(495)268-04-70

Казахстан +7(7172)727-132

Киргизия +996(312)96-26-47

<https://hirose.nt-rt.ru/> || hes@nt-rt.ru

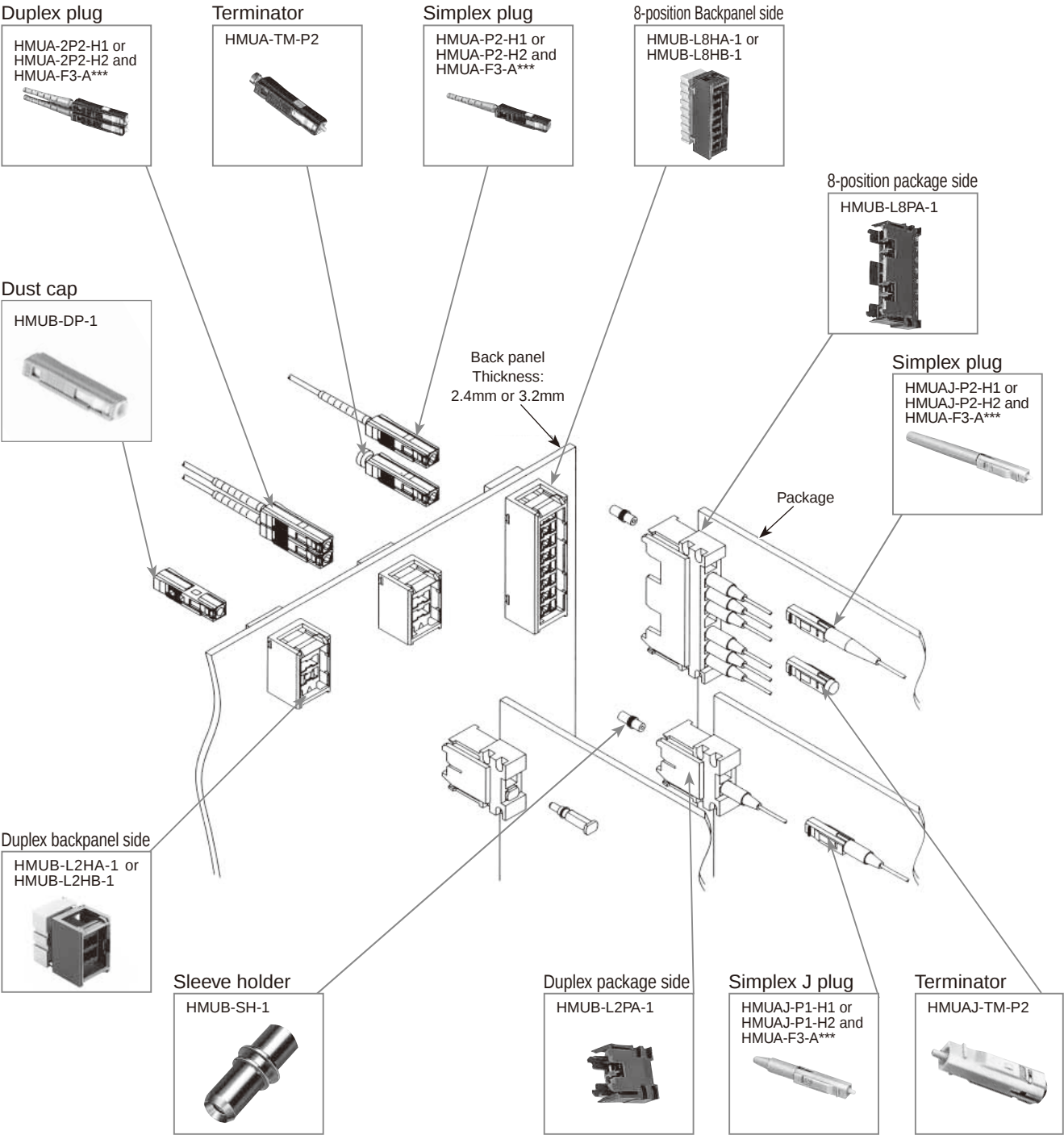
Product Specifications

Ratings			Operating temperature range		-25°C to +70°C		Storage temperature range		-25°C to +70°C	
Item			Test Method (IEC 61300)				Specifications			
Optical Characteristics	Insertion Loss	SM	Wavelength 1310nm (LD)				0.5dB max. (AdPC)			
		MM(GI)	Wavelength 1310nm (LED)				0.3dB max. (PC)			
	Return Loss	SM	Wavelength 1310nm (LD)				40dB min.(AdPC)			
		MM(GI)					22dB min.(PC)			
Mechanical Characteristics	Engagement and Separation forces		Measured with corresponding connector.				Simplex plug	Engagement force: 20 N max. Separation force: 20 N max.		
	Ferrule with drawal force		Extract zirconia gauge 1.249 ±0.0005 mm diameter from split sleeve.				Duplex plug	Engagement force: 30 N max. Separation force: 30 N max.		
	Cable retention (Straight pull)		70N tensile loads for one minute.				Copper alloy split sleeve	1N to 3N		
	Durability (cycles, mating/un-mating)		200 times (Backplane) 500 times (Plug)				Zirconia split sleeve	1N to 2.5N		
	Vibration		Frequency: 10 to 55 Hz, single amplitude of 0.75 mm, 2 hours in each of the 3 axis.				1) Insertion loss fluctuation after test: 0.2dB max. 2) No visible damage, cracks or part dislocation.			
	Shock		Acceleration of 981 m/s², 6 ms duration, sin half-wave waveform, 10 cycles in each of the 3 axis.							
Environmental Characteristics	Humidity (Temperature/ humidity- cycles)		-10°C to 65°C, humidity: 90% to 96% 10 cycles				1) Insertion loss fluctuation after test: 0.2dB max. 2) No visible damage, cracks or part dislocation.			
	Change of temperature		-25°C to +70°C 100 cycles							
	Dry heat		960 hours at 85°C							
	Cold		960 hours at -25°C							
	Salt mist		48 hours in a 5% concentration of salt mist				No significant corrosion.			

Materials

Part	Material
Simplex plug housing	Synthetic resin
Spring	Steel
Ferrule	Zirconia
Simplex adapter housing	Synthetic resin
Adapter metal fittings	Stainless steel or copper alloy (Nickel plating)
Simplified receptacle housing	Synthetic resin
Simplified plug	Zirconia
Backplane connector housing	Synthetic resin
Split sleeve	Zirconia or copper alloy
Dust cap	Synthetic resin

■Function diagram



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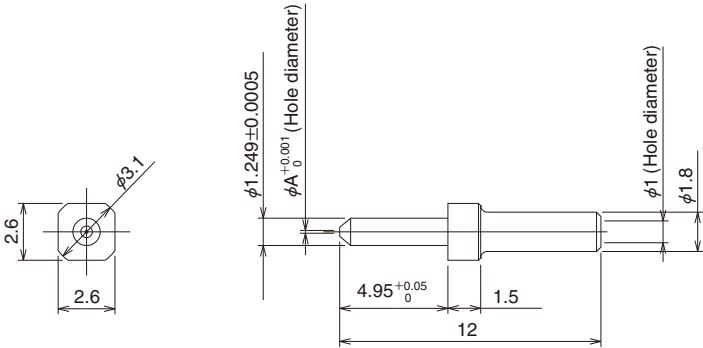
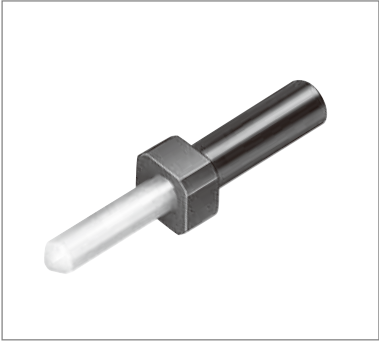
Harsh
Environment

Attenuators

Terminators

POF / PCF

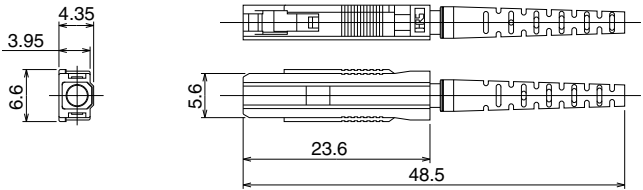
Ferrules



Part Number	CL No.	A dimension	Applicable Fiber cable
HMUA-F3-A125(10)	710-0024-3-10	0.125	SM-9.5/125 GI-50/125
HMUA-F3-A1255(10)	710-0121-0-10	0.1255	
HMUA-F3-A126(10)	710-0025-6-10	0.126	

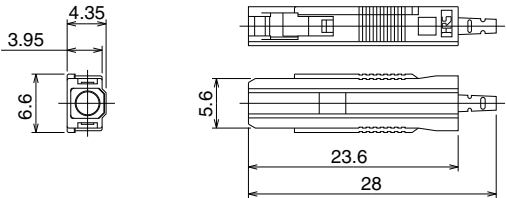
■Plug Housings

●Simplex Plug Housing for 2mm cable



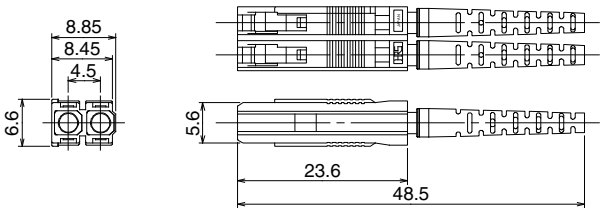
Part Number	CL No.	Boot color
HMUA-P2-H1(61)	710-0047-9-61	Blue
HMUA-P2-H2(61)	710-0001-8-61	Light purple

●Simplex Plug Housing for 0.9mm fiber



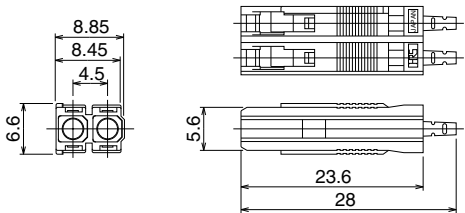
Part Number	CL No.	Boot color
HMUA-P0.9-H1(60)	710-0158-0-60	Blue
HMUA-P0.9-H2(60)	710-0159-2-60	Light purple

●Duplex Plug Housing for 2mm cable



Part Number	CL No.	Boot color
HMUA-2P2-H1(61)	710-0048-1-61	Blue
HMUA-2P2-H2(61)	710-0002-0-61	Light purple

●Duplex Plug Housing for 0.9mm fiber



Part Number	CL No.	Boot color
HMUA-2P0.9-H1(60)	710-0162-7-60	Blue
HMUA-2P0.9-H2(60)	710-0163-0-60	Light purple

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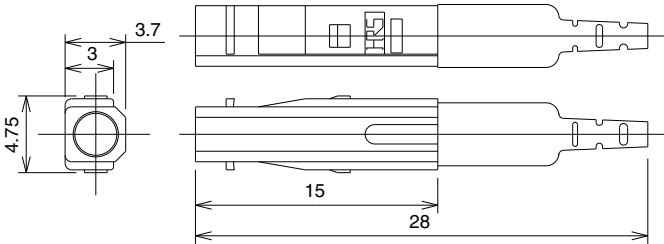
Harsh
Environment

Attenuators

Terminators

POF / PCF

●Simplex J Plug Housing for 0.9mm fiber



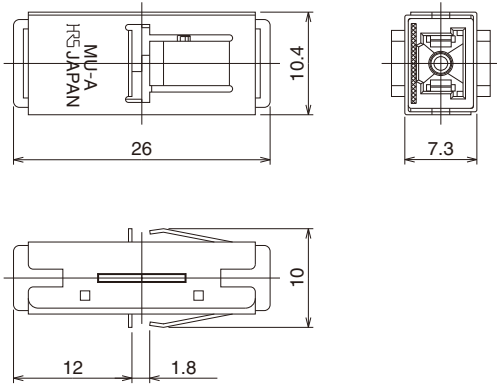
Part Number	CL No.	Boot color
HMUAJ-P0.9-H1(60)	710-0160-1-60	Blue
HMUAJ-P0.9-H2(60)	710-0161-4-60	Light purple

Notes : This connector is the product for MU backplane solution, and is plugged into Package side Connector Housing with Sleeve Holder.
But can't mate with standard MU adapter.

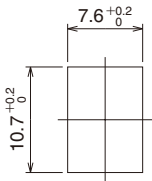
Notes : Option for this products
Sleeve for temporary mating
Part Number : HMUA-RH-1
CL No. : CL710-0085-8
Available to mate with standard adapter.
(Usage example : Optical measurement)

Adapters

●Simplex Adapter / Snap-in Panel Mounting



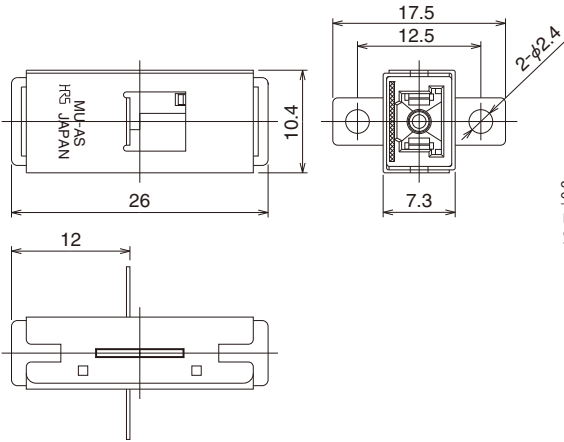
Panel Cutout



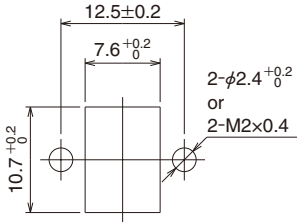
Panel thickness:1.6mm

Part Number	CL No.	Split sleeve
HMUA-A-3	710-0103-8-00	Zirconia

●Simplex Adapter / Screw Panel Mounting

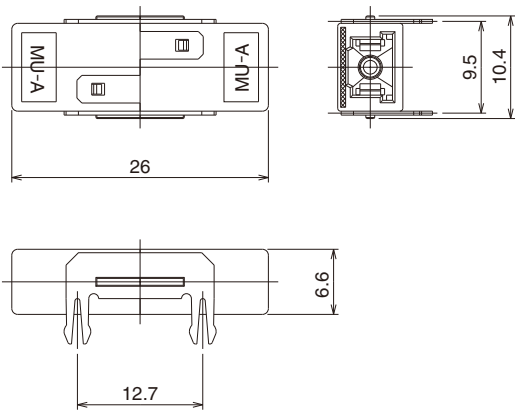


Panel Cutout

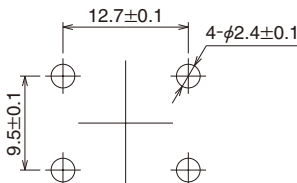


Part Number	CL No.	Split sleeve
HMUA-AS-3	710-0104-0-00	Zirconia

●Simplex Adapter / Board Mounting



Board Mounting Pattern

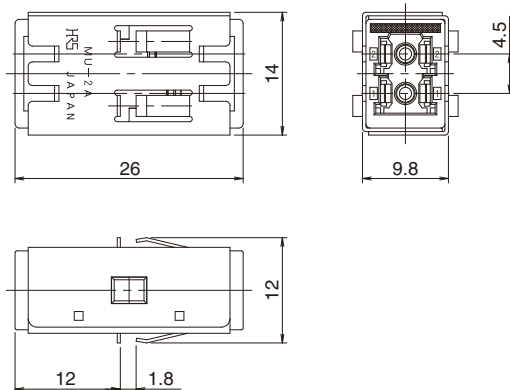


Board thickness:1.6mm

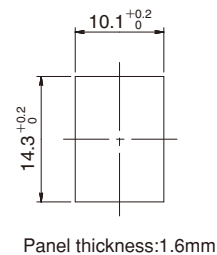
Part Number	CL No.	Split sleeve
HMUA-AH-3(40)	710-0105-3-40	Zirconia

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●Duplex adapter / Snap-in Panel Mounting

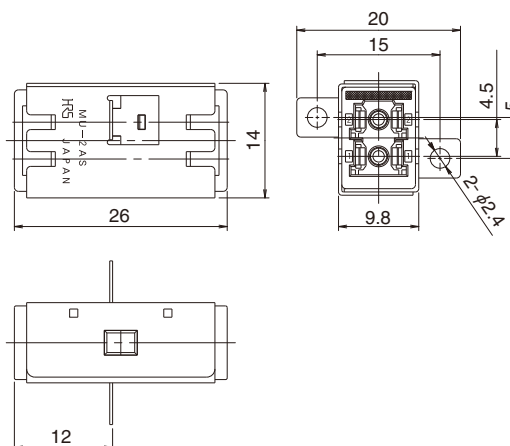


■Panel Cutout

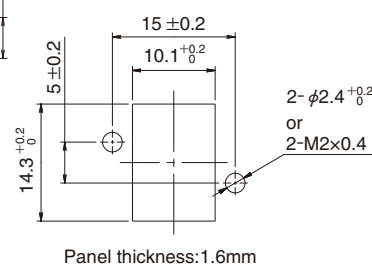


Part Number	CL No.	Split sleeve
HMUA-2A-4	710-0187-8-00	Zirconia

●Duplex Adapter / Screw Panel Mounting

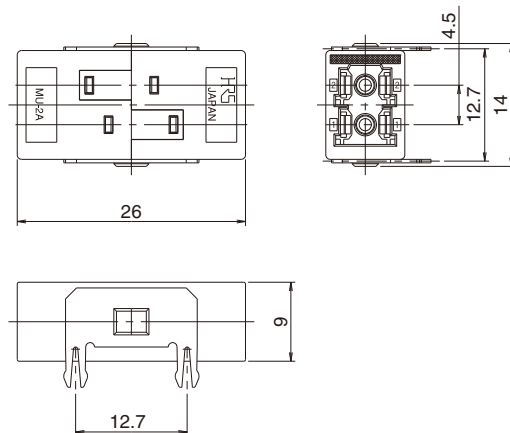


■Panel Cutout

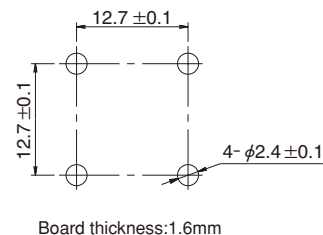


Part Number	CL No.	Split sleeve
HMUA-2AS-4	710-0188-0-00	Zirconia

●Duplex Adapter / Board Mounting

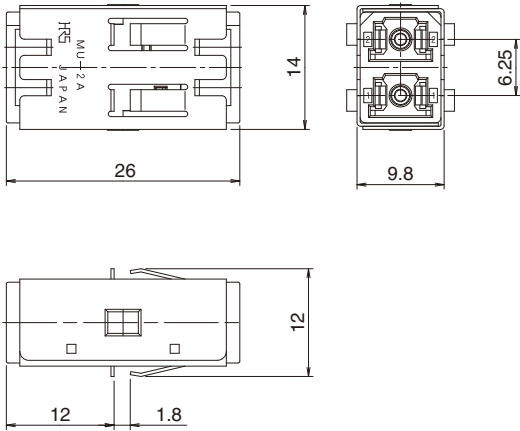
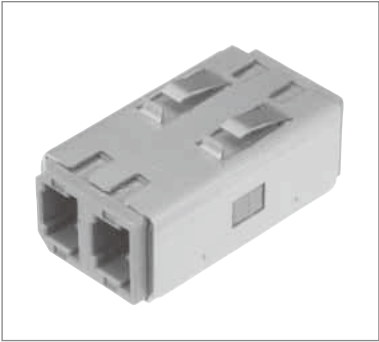


■Board Mounting Pattern

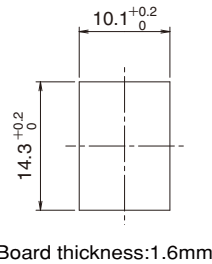


Part Number	CL No.	Split sleeve
HMUA-2AH-4(40)	710-0189-3-40	Zirconia

●Duplex Adapter / Snap-in Panel Mounting
6.25mm Type



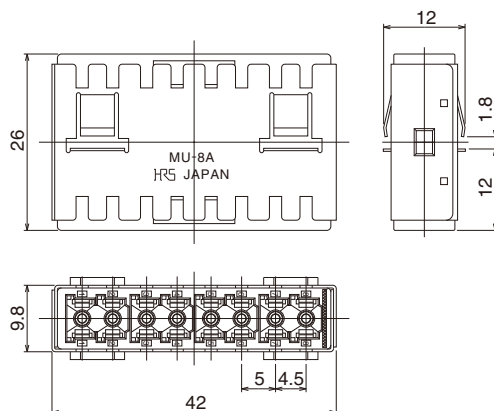
■Panel Cutout



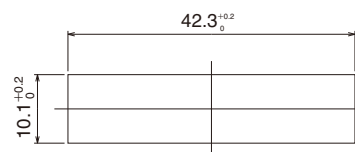
Part Number	CL No.	Split sleeve
HMUA-2AK-1	710-0196-9-00	Zirconia

- Notes :
- Available to 6.25mm pitch MU-PJ attenuators.
 - The outer dimension (and panel cutout) is same as the above "HMUA-2A-4".

8-Position Adapter / Snap-in Panel Mounting



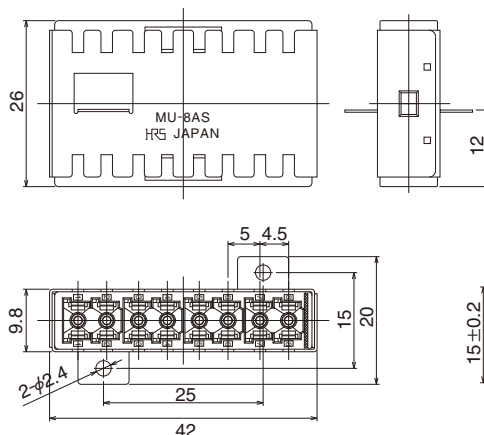
Panel Cutout



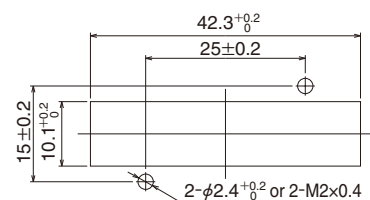
Panel thickness: 1.6mm

Part Number	CL No.	Split sleeve
HMUA-8A-3	710-0174-6-00	Zirconia

8-Position Adapter / Screw Panel Mounting

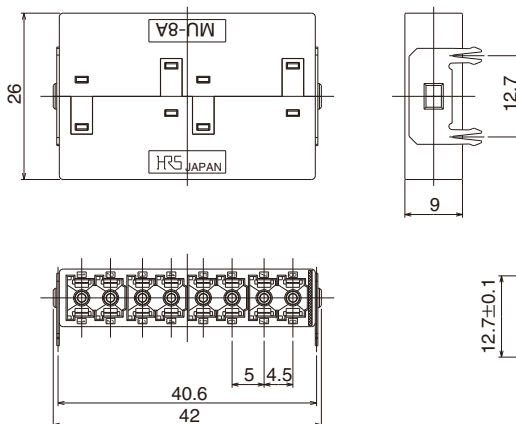


Panel Cutout

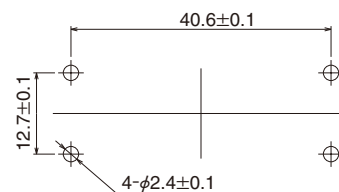


Part Number	CL No.	Split sleeve
HMUA-8AS-3	710-0175-9-00	Zirconia

8-Position Adapter / Board Mounting



Board Mounting Pattern

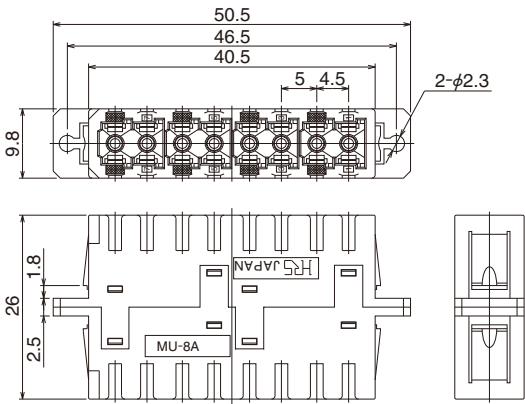


Board thickness: 1.6mm

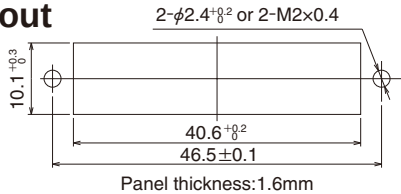
Part Number	CL No.	Split sleeve
HMUA-8AH-3(40)	710-0176-1-40	Zirconia

■Cost effective adapters

●8-Position Adapter / Screw Panel Mounting

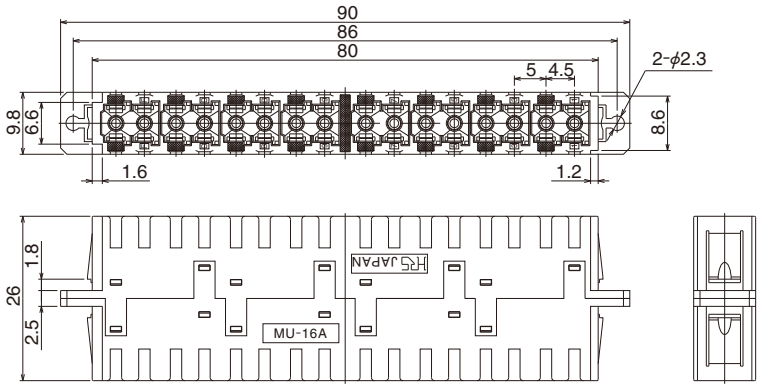
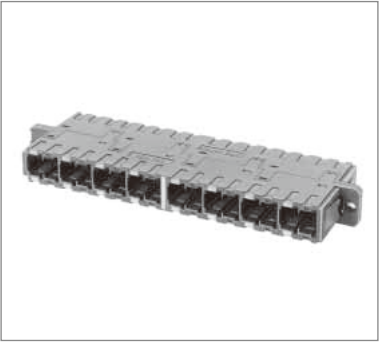


■Panel Cutout

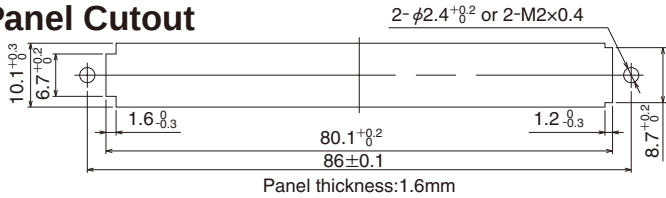


Part Number	CL No.	Split sleeve
HMUA-8A-2(40)	710-0155-1-40	Zirconia
HMUA-8A-B2	710-0119-8-00	Copper alloy

●16-Position Adapter / Screw Panel Mounting



■Panel Cutout



Part Number	CL No.	Split sleeve
HMUA-16A-2	710-0143-2-00	Zirconia
HMUA-16A-B2(40)	710-0113-1-40	Copper alloy

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SC

FC

MU

Class
Environment

Attenuators

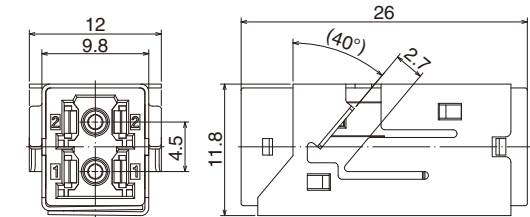
Terminators

POF / PCF

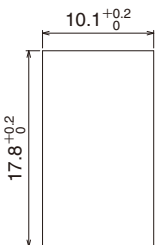
■Angled Adapters

Special design for angled mount.(The installation angle is 40 degrees.)

●Duplex Angled Adapter / Snap-in Panel Mounting



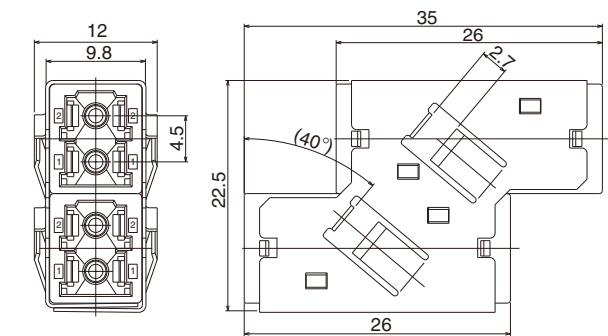
■Panel Cutout



Panel thickness: 2.5mm

Part Number	CL No.	Split sleeve	Mounting Angle
HMUA-2A-40A-4	710-0243-7-00	Zirconia	40°

●4-Position Angled Adapter / Snap-in Panel Mounting



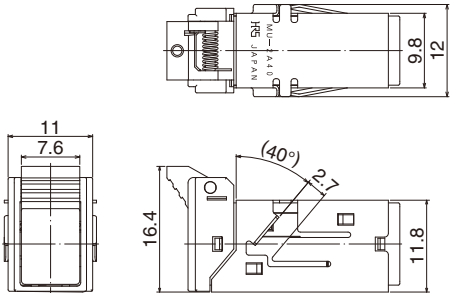
■Panel Cutout



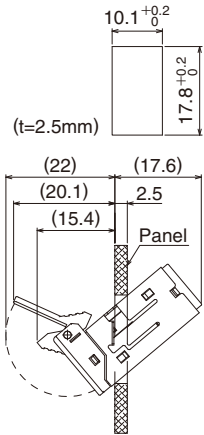
Panel thickness: 2.5mm

Part Number	CL No.	Split sleeve	Mounting Angle
HMUA-4A-40-4	710-0178-7-00	Zirconia	40°

●Duplex Angled Adapter with Shutter / Snap-in Panel Mounting



■Panel Cutout



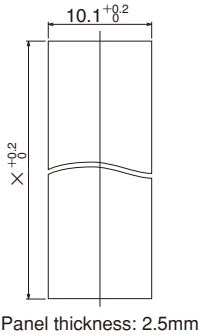
Part Number	CL No.	Split sleeve	Mounting Angle
HMUA-2A-40A-4-S1	710-0242-4-00	Zirconia	40°

Note:
1)Under no circumstances look into the inside of shutter when the laser device is operational. The laser radiation is not visible to the human eye, but it can seriously damage your eyesight.
2)Please indicate the necessary safety labels when using high power light source.

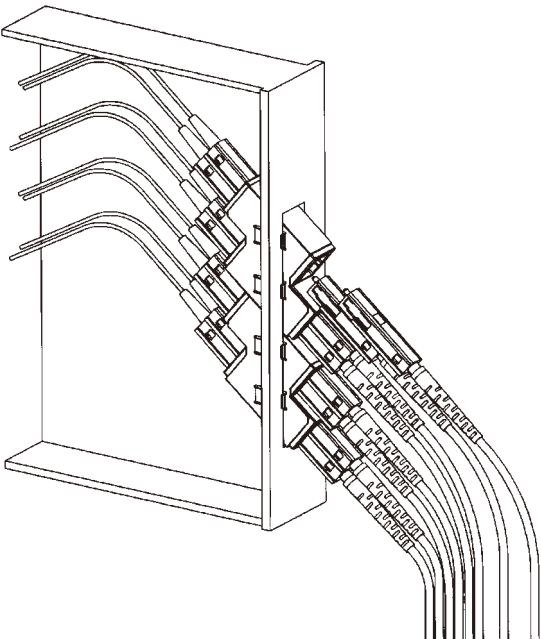
Panel Cutout dimensions
Only the angled adapter without shutter.

Fiber Position	Panel cutout:Xmm
06(Duplex+4 position)	47.4
08(4 position×2)	61.4
10(Duplex+4 position×2)	77.1
12(4 position×3)	91.0
14(Duplex+4 position×3)	106.7
16(4 position×4)	120.7
18(Duplex+4 position×4)	136.3
20(4 position×5)	150.3

■Panel Cutout

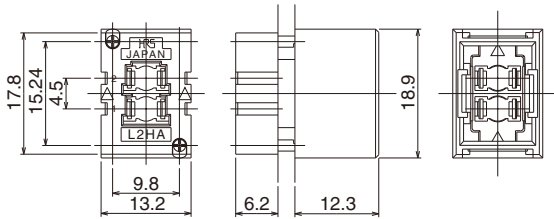


■Usage Example

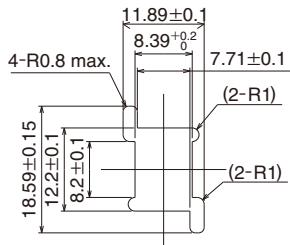


Backpanel side Connector Housings

Duplex Backpanel side Connector Housing



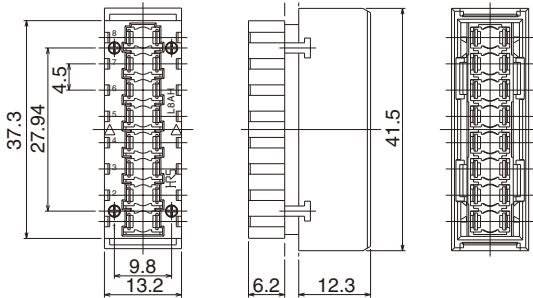
Panel Cutout



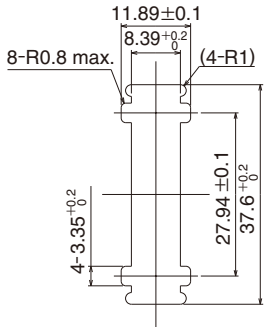
Part Number	CL No.	Panel thickness
HMUB-L2HA-1(40)	710-0017-8-40	2.4mm
HMUB-L2HB-1(40)	710-0018-0-40	3.2mm

Note: Screw fastening torque: 0.0185Nm

8-Position Backpanel side Connector Housing



Panel Cutout

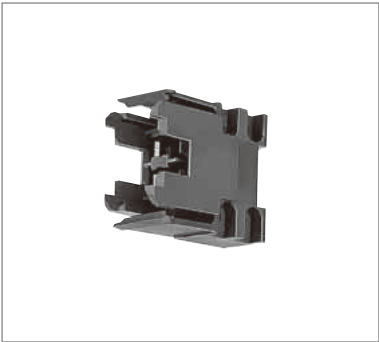


Part Number	CL No.	Panel thickness
HA-1(40)	710-0019-3-40	2.4mm
HMUB-L8HB-1(40)	710-0020-2-40	3.2mm

Note: Screw fastening torque: 0.0185Nm

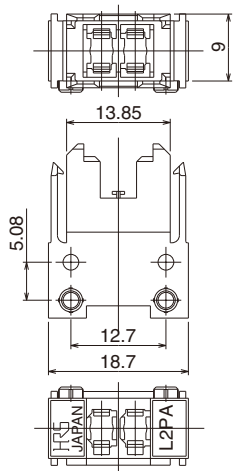
■Package side Connector Housings

●Duplex Package side Connector Housing

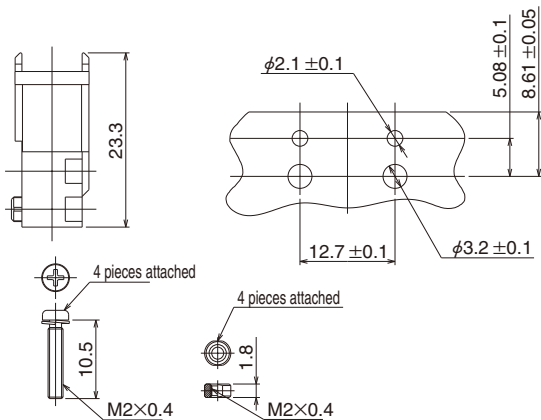


Part Number	CL No.
HMUB-L2PA-1(40)	710-0015-2-40

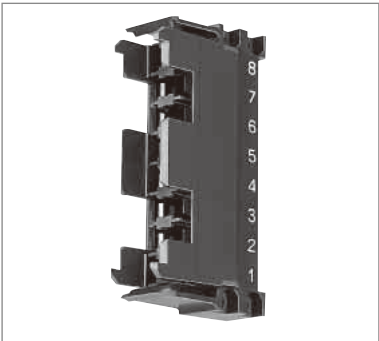
Note : Screw fastening torque : 0.08Nm



■Board Mounting Pattern

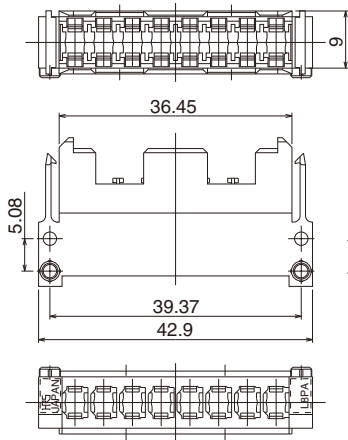


●8-Position Package side Connector Housing

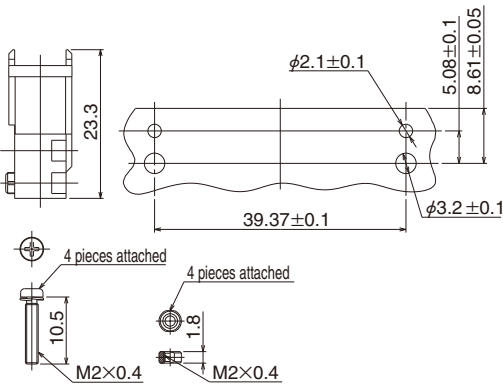


Part Number	CL No.
HMUB-L8PA-1(40)	710-0016-5-40

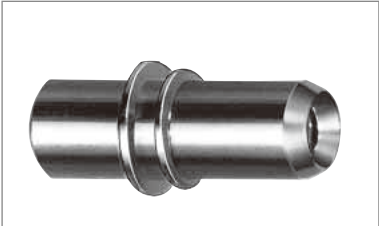
Note : Screw fastening torque : 0.08Nm



■Board Mounting Pattern

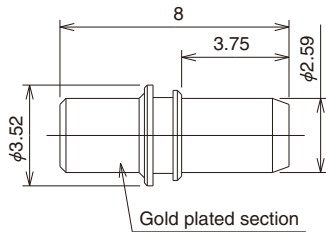


■Sleeve Holder



Part Number	CL No.	Split sleeve
HMUB-SH-1(40)	710-0021-5-40	Zirconia

Note: This Sleeve Holder should be used for duplex and 8-position package side connector housing and J Plug Housing connector plug.
Insert the Sleeve Holder using dedicated tool #HMUB-TS-1.
The gold plated section of the Sleeve Holder should be inserted into the package side connector housing.

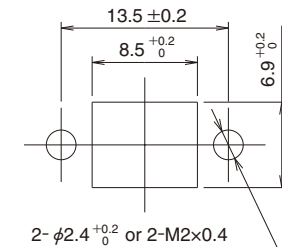
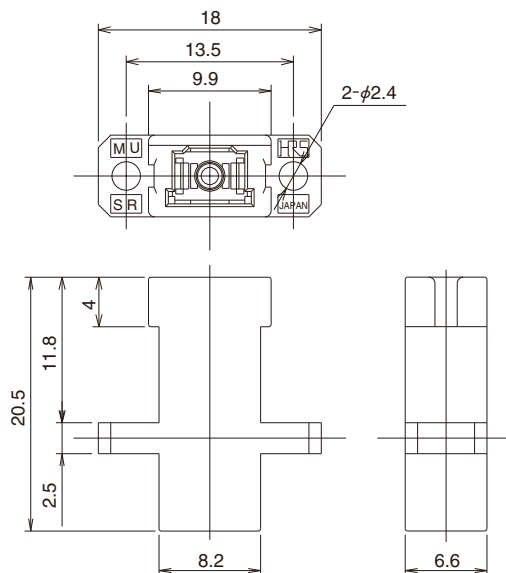


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Simplified Receptacles

● Simplex Simplified Receptacle / Screw Panel Mounting

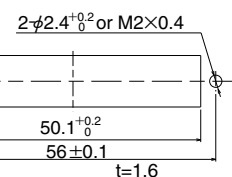
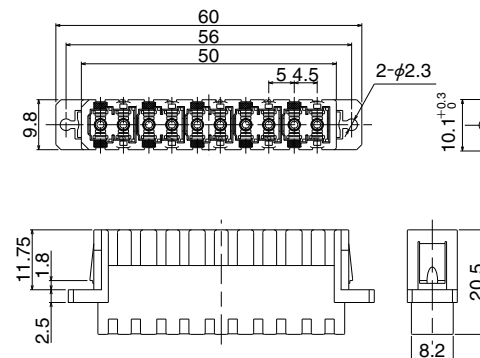
■ Panel Cutout



Part Number	CL No.	Split sleeve
HMUA-SR-1(40)	710-0094-9-40	Zirconia
HMUA-SR-B1	710-0182-4-00	Copper alloy

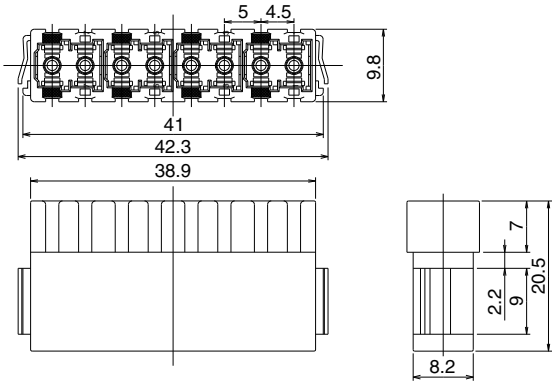
● 10-position Simplified Receptacle / Screw Panel Mounting

■ Panel Cutout



Part Number	CL No.	Split sleeve
HMUA-10SR-4	710-0193-0-00	Zirconia
HMUA-10SR-B4	710-0201-7-00	Copper alloy

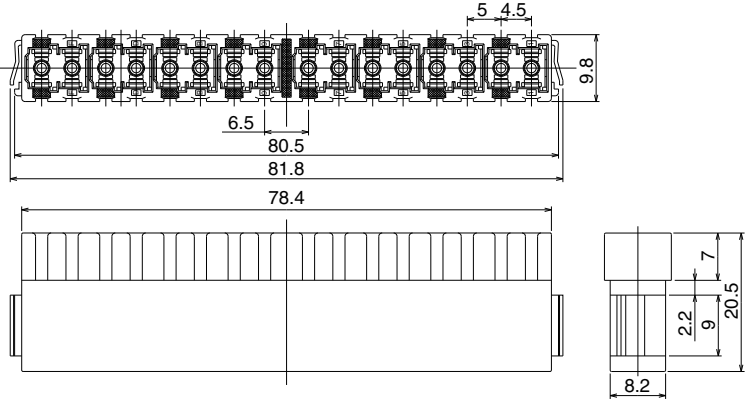
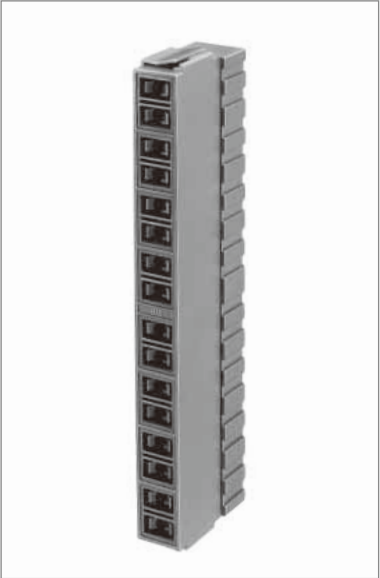
●8-position Simplified Receptacle - for extremely high density applications



Part Number	CL No.	Split sleeve
HMUA-8SR-3(40)	710-0168-3-40	Zirconia
HMUA-8SR-B3(40)	710-0117-2-40	Copper alloy

Please contact to HIROSE for the mounting dimension.

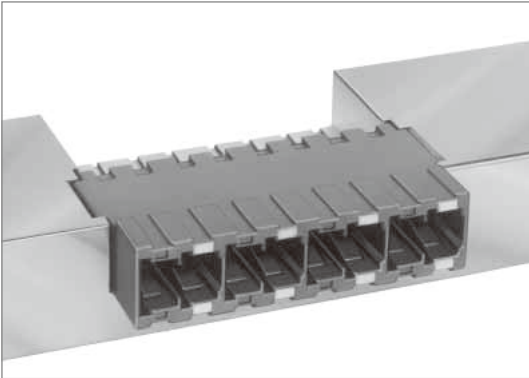
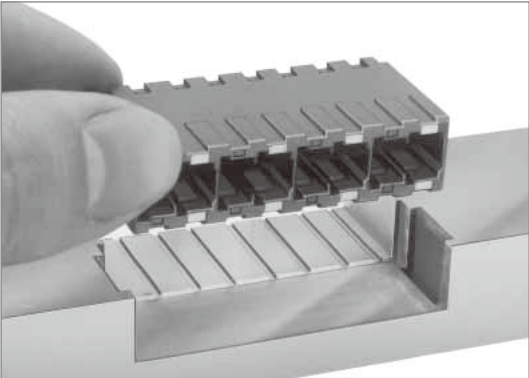
●16-Position Simplified Receptacle - for extremely high density applications



Part Number	CL No.	Split sleeve
HMUA-16SR-5	710-0173-3-00	Zirconia
HMUA-16SR-B5	710-0122-2-00	Copper alloy

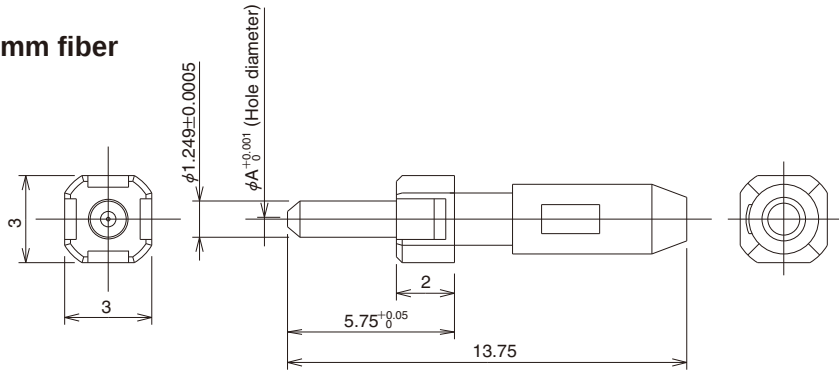
Please contact to HIROSE for the mounting dimension.

■Mounting Example



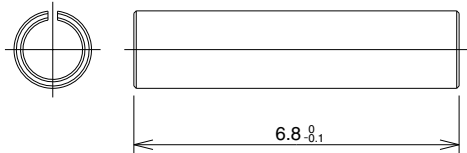
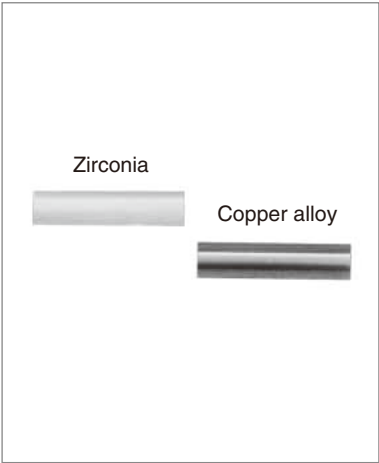
Simplified Plug

●Simplex simplified Plug for 0.9mm fiber



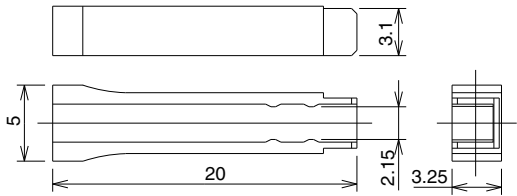
Part Number	CL No.	A dimension	Applicable Fiber cable	Ferrule
HMUA-FK-A125(04)	710-0099-2-04	0.125	SM-9.5/125 GI-50/125	Zirconia
HMUA-FK-A1255(04)	710-0107-9-04	0.1255		
HMUA-FK-A126(04)	710-0100-0-04	0.126		

Split Sleeve



Part Number	CL No.	Split sleeve
HMUA-D	710-0147-3-00	Zirconia
HMUA-SLIT-SLEEVE(01)	710-0130-0-01	Copper alloy

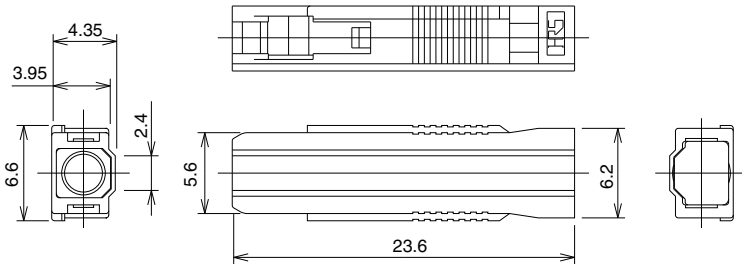
Extraction Tool for Simplified Plug



Part Number	CL No.
HMUA-FK-T3	710-0148-6-00

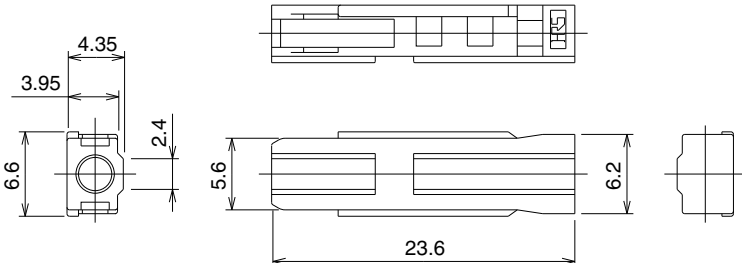
Dust Caps

●Dust Cap for Backpanel side connector housings



Part Number	CL No.	Applicable connector
HMUB-DP-1(40)	710-0135-4-40	Back panel side housing

●Dust Cap for Adapters



Part Number	CL No.	Applicable connector
HMUA-DP-2	710-0131-3-00	Adapter, simplified receptacle

Tools

●Insertion / Extraction Tool for Plug



Part Number	CL No.	Color of Tip	Remarks
HMUA-TP-1	710-0074-1	Blue	For Conventional Adapters
HMUB-TP-1	710-0075-4	Brown	For MU Backplane system

●Insertion / Extraction Tool for Plug Cost effective type



Part Number	CL No.	Remarks
HMU/HEMD-1P	902-6045-8	For Conventional Adapters and MU Backplane system

●Extraction Tool for J Plug



Part Number	CL No.	Remarks
HMUB-TJ-1	710-0076-7	HMUB-L2PA-1, L8PA-1

●Insertion / Extraction Tool for Sleeve Holder



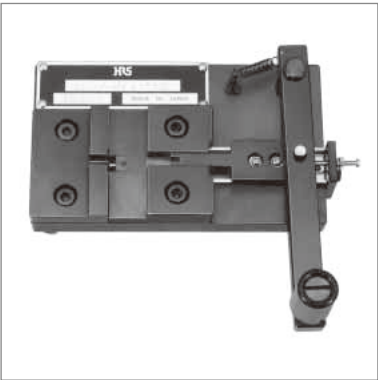
Part Number	CL No.	Remarks
HMUB-TS-1	710-0077-0	HMUB-L2PA-1,L8PA-1

●Crimp Tools



Part Number	CL No.	Applicable plug housing
HT402/HMUA-P2-H2	902-6040-4	HMUA-P2-H2,H1
		HMUA-2P2-H2,H1

●Stop Ring Insertion Tool



Part Number	CL No.	Applicable connector
HMUA.J/PRMD	902-6019-8	MU plug housings except HMUA-P1.1-H2

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SC

FC

MU

Harsh
Environment

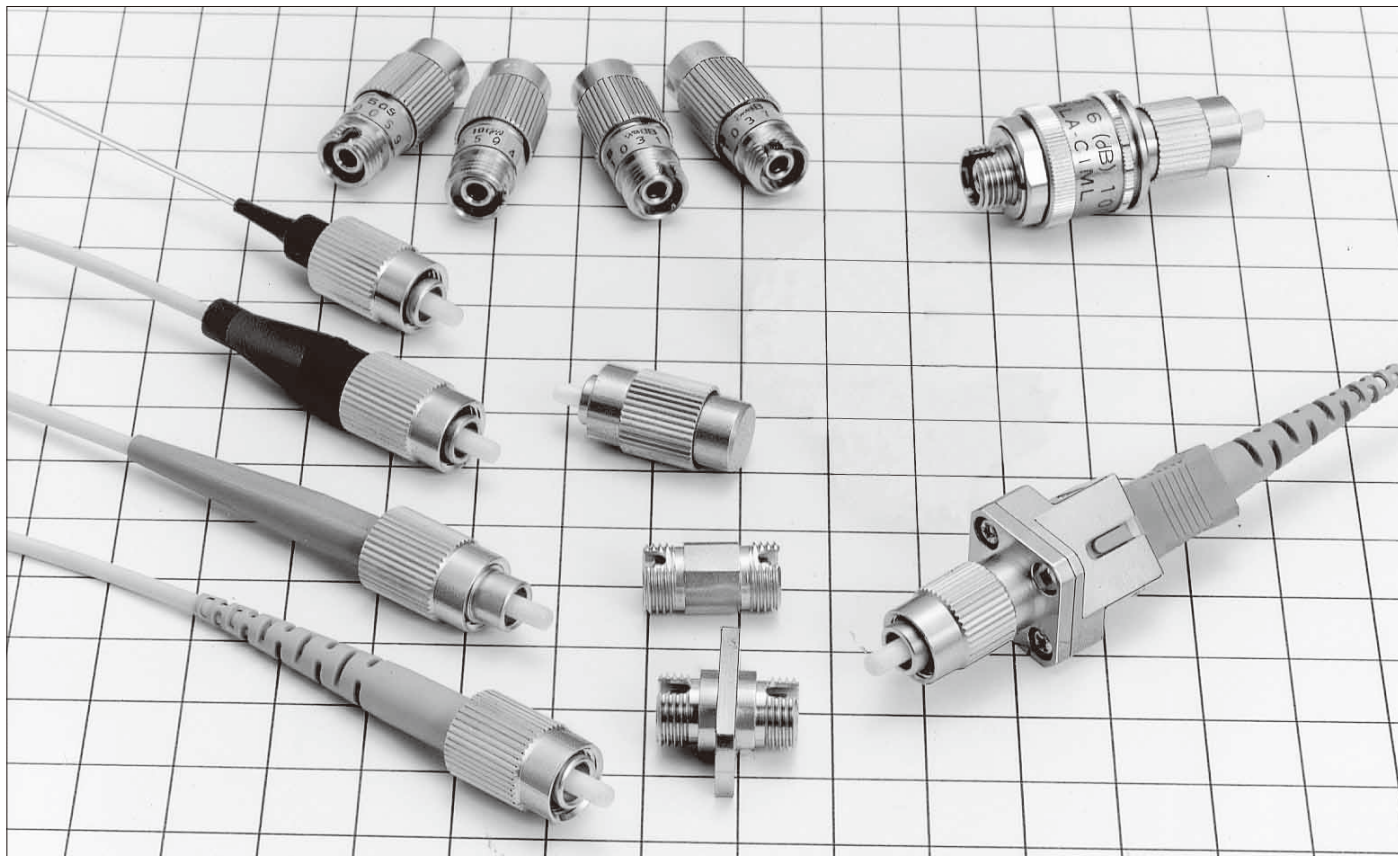
Attenuators

Terminators

POF / PCF

FC Type Fiber Optic Connectors

HRFC Series



■ Features

1. JIS, IEC standard compliant and intermateability test certified.

Comply with IEC 61754-13 and JIS C 5970(type F01).
FC intermate test by NTT certified connector.

2. Polishing

Available with PC polishing, advanced PC(AdPC) polishing and Angled PC(APC) polishing.

3. Flame resistant

Satisfies flammability rating UL94V-0.

■ Applications

Public communications lines, CATV, Test equipment, etc.

■Product Specifications

Ratings		Operating temperature range		-25°C to +70°C	Storage temperature range	-25°C to +70°C
Item			Test Method (IEC 61300)		Specifications	
Optical Characteristics	Insertion Loss	(SM)	Wavelength 1310nm (LD)		0.5dB max. (PC, AdPC, APC)	
		(GI)	Wavelength 1310nm (LED)		0.3dB max. (PC)	
	Return Loss	(SM)	Wavelength 1310nm (LD)		22dB min. (PC), 40dB min. (AdPC), 60dB min. (APC)	
		(GI)			22dB min. (PC)	
Mechanical Characteristics	Ferrule withdrawal		Extract zirconia gauge 2.499 ±0.0005mm dia from split sleeve.		Phosphor bronze split sleeve 2N to 5.9N Zirconia split sleeve 2N to 3.9N	
	Cable retention (Straight pull)		98N tensile load for 1 minute.		1) Insertion loss fluctuation after test: 0.2dB max. 2) No visible damage, dislocation of clamp or cable.	
	Durability (cycles, mating/un-mating)		1000 times		1) Insertion loss fluctuation after test: 0.2dB max. 2) No visible damage, cracks or part dislocation.	
	Vibration		Frequency: 10 to 55 Hz, single amplitude of 0.75mm, 2 hours in each of the 3 axis.			
	Shock		Acceleration of 981 m/s², 6 ms duration, half sine shock pulse, 10 cycles in each of the 3 axis.			
Environmental Characteristics	Humidity (Temperature/ humidity- cycles)		-10°C to 65°C, humidity: 90% to 96% 10 cycles		1) Insertion loss fluctuation after test: 0.2dB max. 2) No visible damage, cracks or part dislocation.	
	Change of temperature		-40°C to +75°C 42 cycles (Complies with Telcordia standard GR-326-CORE)			
	Dry heat		240 hours at 85°C			
	Cold		240 hours at -25°C			
	Salt mist		48 hours in a 5% concentration of salt mist		No significant corrosion.	

■Materials

Part	Material
Plug housing	Brass, Zinc alloy
Spring	Stainless steel
Ferrule	Zirconia
Adapter	Brass
Split sleeve	Zirconia or Phosphor bronze
Receptacle	Brass

SC

FC

MU

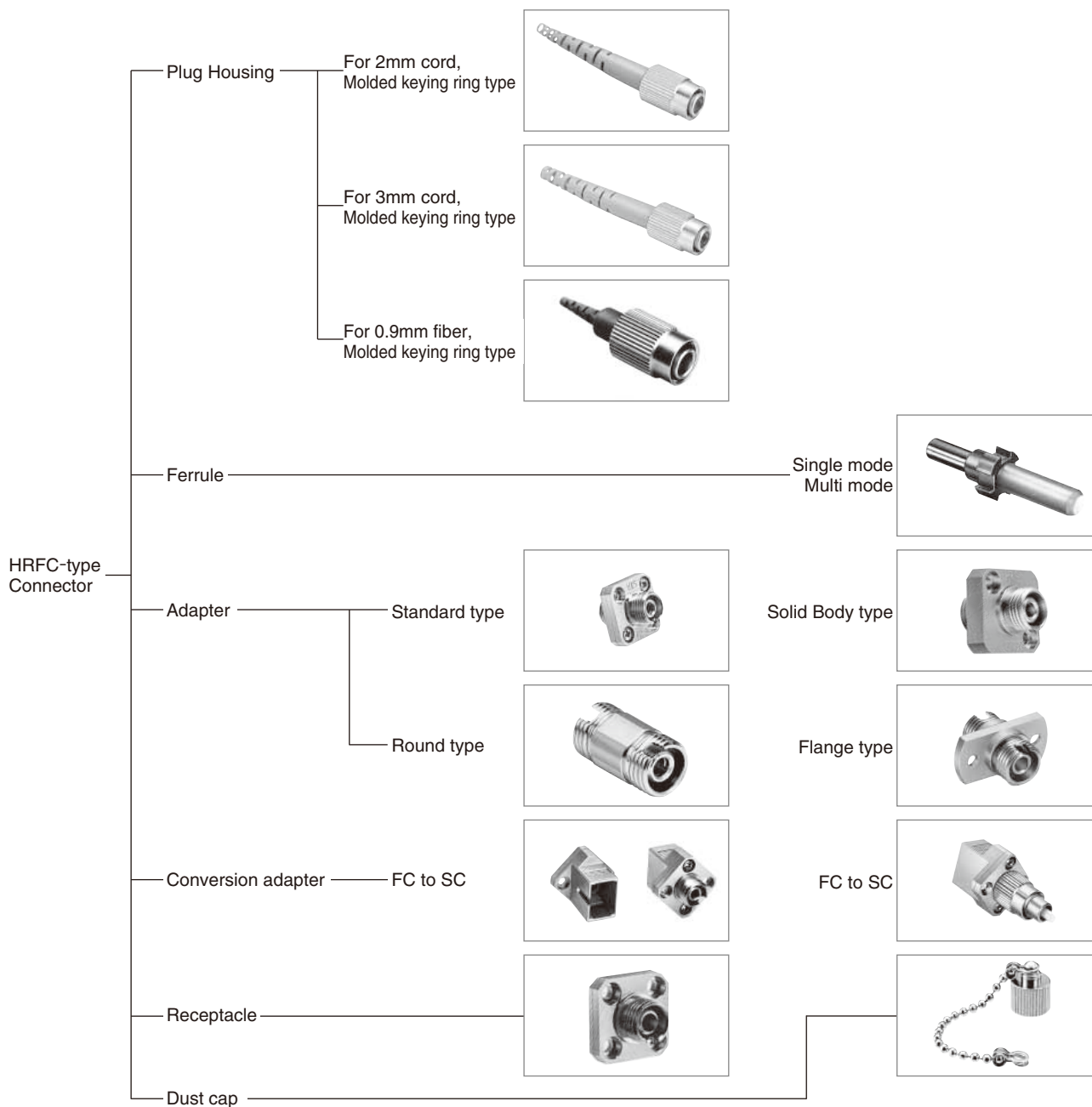
Harsh
Environment

Attenuators

Terminators

POF / PCF

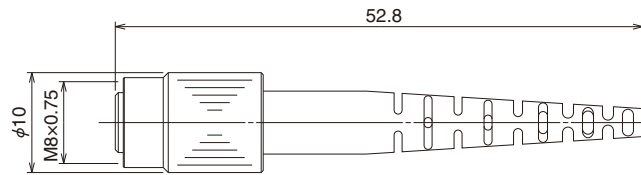
■ FC products



■Plug Housing

Please use it with the SC ferrules.

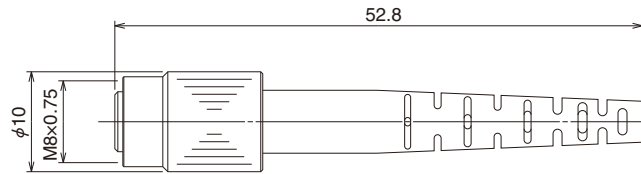
●For 2mm cable



Part Number	CL No.	Boot color	Polishing type
HRFC-P8-H2(63)	701-0075-3-63	Blue	PC
HRFC-P8-L2(61)	701-0077-9-61	Light purple	AdPC
HRFC-P8-G2(62)	701-2001-8-62	Green	APC

Note: Guide key width is 2.1mm

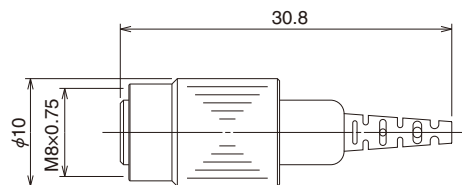
●For 3mm cable



Part Number	CL No.	Boot color	Polishing type
HRFC-P8-H3(62)	701-0074-0-62	Blue	PC
HRFC-P8-L3(61)	701-0078-1-61	Light purple	AdPC
HRFC-P8-G3(61)	701-2002-0-61	Green	APC

Note: Guide key width is 2.1mm

●For 0.9mm fiber



Part Number	CL No.	Boot color	Polishing type
HRFC-P15-H(62)	701-0114-3-62	Blue	PC
HRFC-P15-L(62)	701-0115-6-62	Light purple	AdPC
HRFC-P15-G(61)	701-2004-6-61	Green	APC

Note: Guide key width is 2.1mm

SC

FC

MU

Harsh
Environment

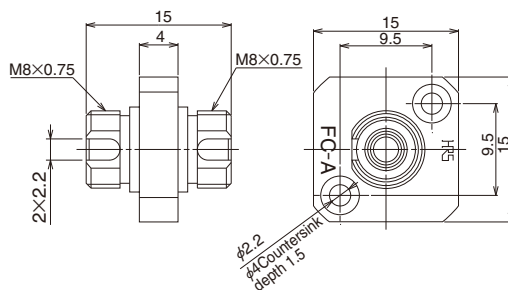
Attenuators

Terminators

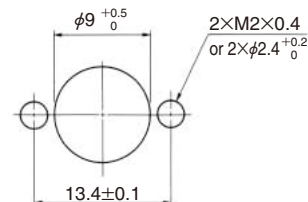
POF / PCF

Adapters

●Solid Body type



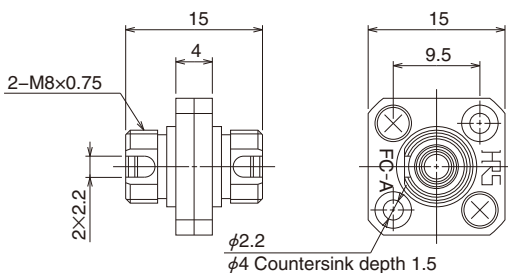
Panel Cutout



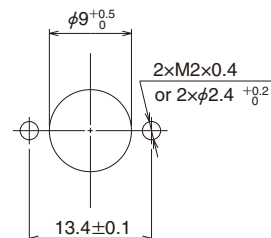
Part Number	CL No.	Split sleeve	Remarks
HRFC-PA11-G1(40)	701-0071-2-40	Phosphor bronze	—
HRFC-PA11-D1(40)	701-0106-5-40	Zirconia	(Note)

Note: Please take utmost care when inserting FC plug into a FC adapter. When applying excessive force to the FC plug or inserting in an odd angle, the zirconia sleeve within the adapter might be damaged

●Standard Body type



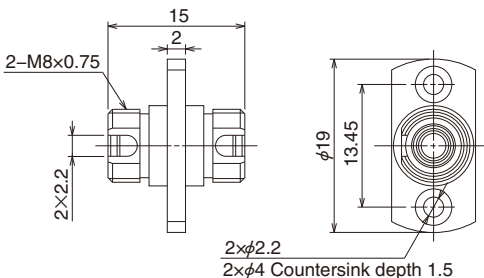
Panel Cutout



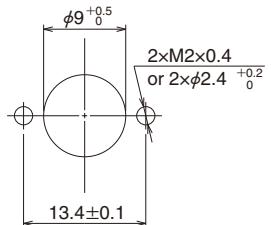
Part Number	CL No.	Mark	Split sleeve	Remarks
HRFC-PA1-G1(41)	701-0014-9-41	FC-AP	Phosphor bronze	—
HRFC-PA1-D1(40)	701-0089-8-40	FC-A	Zirconia	(Note)

Note: Please take utmost care when inserting FC plug into a FC adapter. When applying excessive force to the FC plug or inserting in an odd angle, the zirconia sleeve within the adapter might be damaged

●Flange type



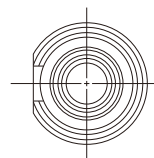
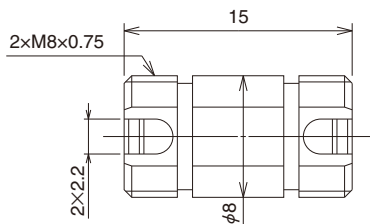
Panel Cutout



Part Number	CL No.	Split sleeve	Remarks
HRFC-PA4-G1(40)	701-0068-8-40	Phosphor bronze	—
HRFC-PA4-D1(40)	701-0112-8-40	Zirconia	(Note)

Note: Please take utmost care when inserting FC plug into a FC adapter. When applying excessive force to the FC plug or inserting in an odd angle, the zirconia sleeve within the adapter might be damaged

●Round type

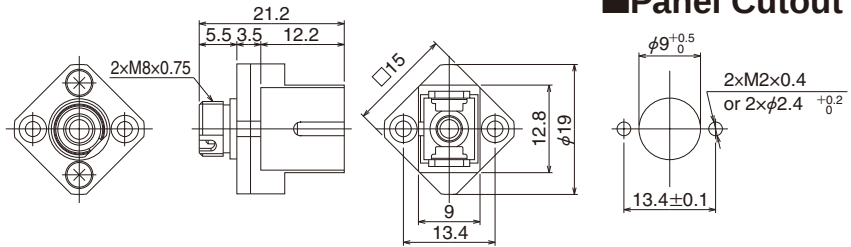
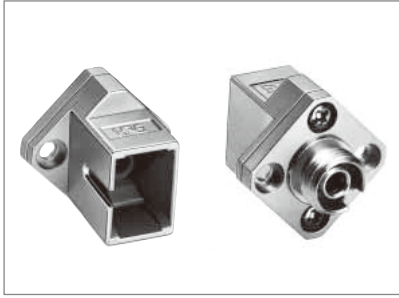


Part Number	CL No.	Split sleeve	Remarks
HRFC-A2-SF(41)	701-0039-0-41	Phosphor bronze	—
HRFC-A2-SF-D1(40)	701-0140-3-40	Zirconia	(Note)

Note: Please take utmost care when inserting FC plug into a FC adapter. When applying excessive force to the FC plug or inserting in an odd angle, the zirconia sleeve within the adapter might be damaged

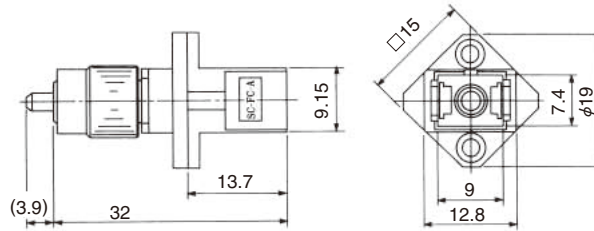
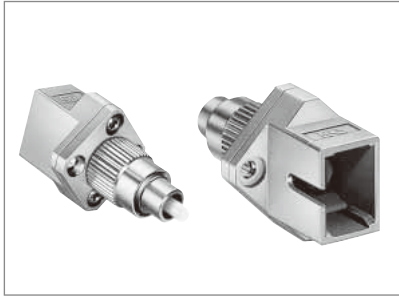
■ Conversion adapters

● FC / SC



Part Number	CL No.	Split sleeve
HSCJ-HRFCJ-B(43)	704-0021-3-43	Phosphor bronze

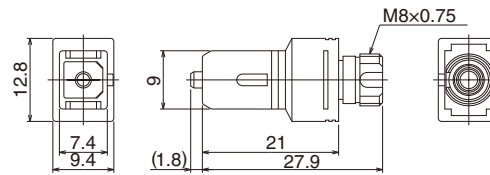
● FC / SC



Part Number	CL No.	Split sleeve	Polishing type	Fiber type
HRFCP-HSCJ-1(61)	701-0065-0-61	Phosphor bronze	PC	GI-50/125
HRFCP-HSCJ-1AS(61)	701-0108-0-61		AdPC	
HRFCP-HSCJ-2(61)	701-0085-7-61		PC	SM-9.5/125
HRFCP-HSCJ-2AS(61)	701-0109-3-61		AdPC	

The positions of SC guide slot and FC guide key will not be always aligned.

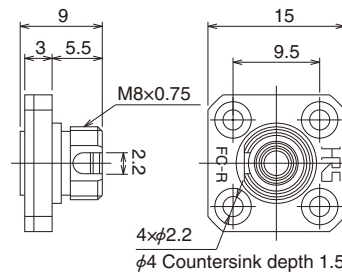
● FC / SC



Part Number	CL No.	Split sleeve	Polishing type	Fiber type
HSCP-HRFCJ-1(61)	704-0203-0-61	Phosphor bronze	PC	GI-50/125
HSCP-HRFCJ-1AS(61)	704-0288-3-61		AdPC	
HSCP-HRFCJ-2(61)	704-0204-3-61		PC	SM-9.5/125
HSCP-HRFCJ-2AS(61)	704-0289-6-61		AdPC	

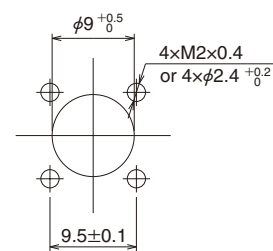
The positions of SC guide key and FC guide slot will not be always aligned.

■ Receptacle



Part Number	CL No.	Remarks
HRFC-R1(41)	701-0016-4-41	GI
HRFC-R2(41)	701-0023-0-41	SM

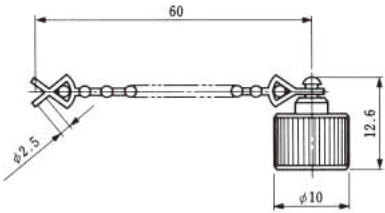
■ Panel Cutout



Ferrule

Please use the SC connector's ferrule.

Dust Cap



Part Number	CL No.
HRFC-C1(40)	701-0019-2-40

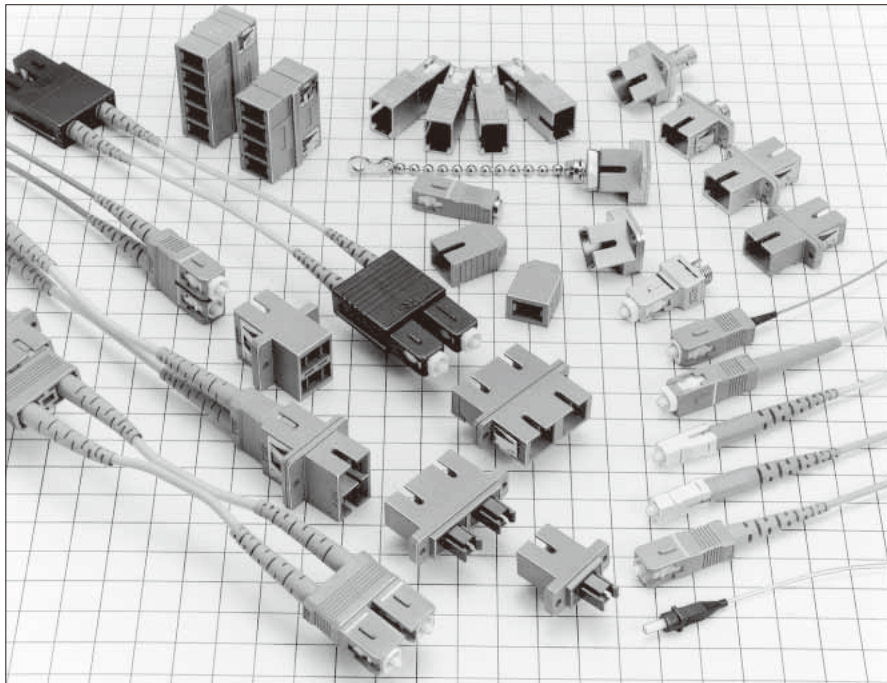
Tool

●Crimp tool

Please use the SC connector's crimp tool .

SC Type Fiber Optic Connectors

HSC Series



■ Features

1. IEC, JIS standard compliant and intermateability test certified.

Comply with IEC 61754-4 and JIS C 5973(F04).
SC intermate test by NTT certified connector.

2. Flame resistant

Satisfies flammability rating UL94V-0.

3. Three types of Duplex SC connector

Available in following types;
Flexible F type – Floating mechanism and comply with ANSI standards.
Rigid F type – 12.7mm spacing between the fibers, low profile and compatibility with the flexible F-type.
Rigid H type – 8.5mm spacing between the fibers and for high density applications.

4. Simplified plugs and receptacles

Small size (23.8 mm plug length). SC simplified plug is designed for equipments inside connection. Comply with IEC 61754-4-1.

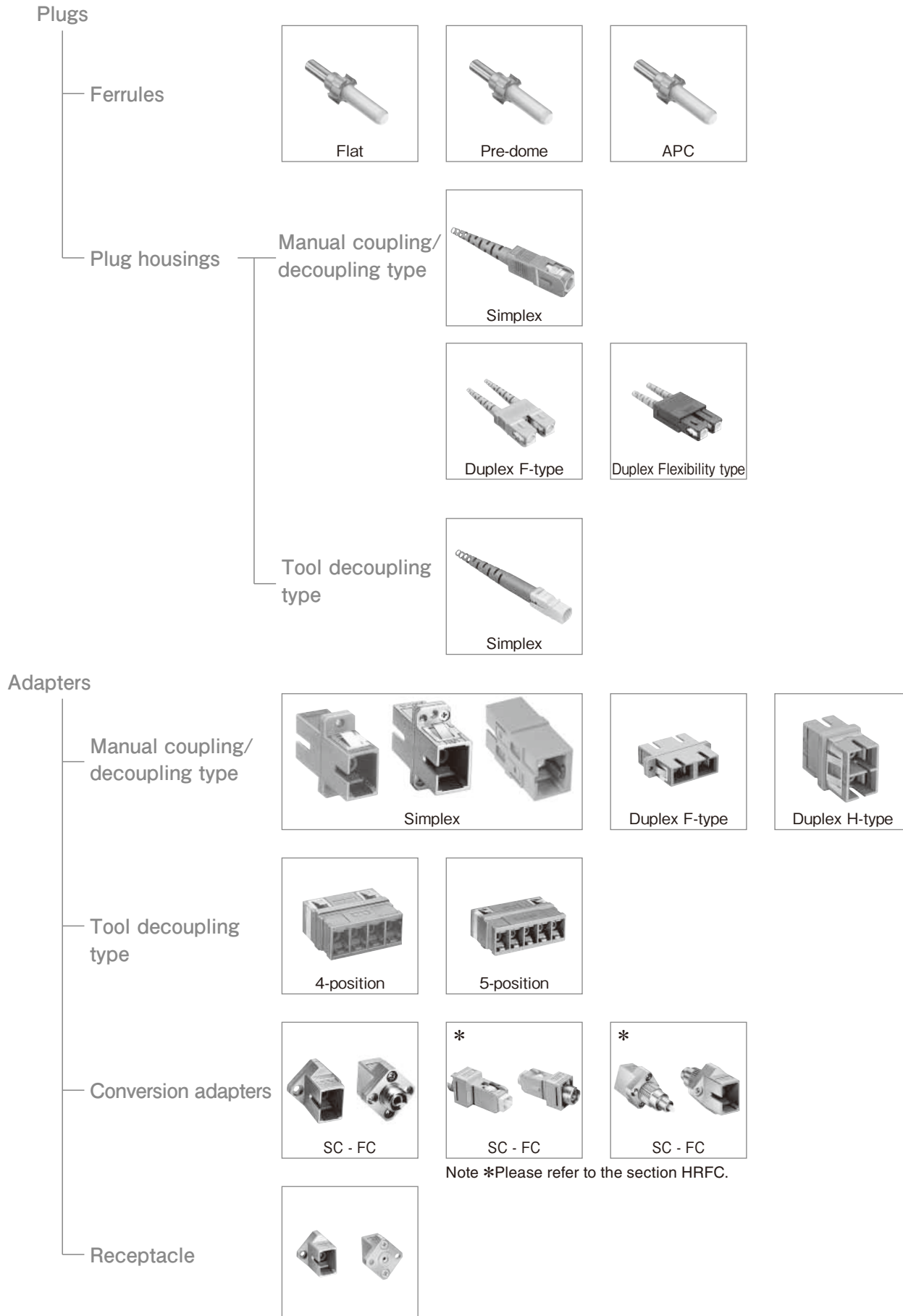
Product Specifications

Ratings		Operating temperature range		-25°C to +70°C	Storage temperature range		-25°C to +70°C
Item			Test Method (IEC 61300)		Specifications		
Optical Characteristics	Insertion Loss	(SM)	Wavelength 1310nm (LD)		0.5dB max. (PC, AdPC, APC)		
		(GI)	Wavelength 1310nm (LED)		0.3dB max. (PC)		
	Return Loss	(SM)	Wavelength 1310nm (LD)		22dB min. (PC) 40dB min. (AdPC)		
		(GI)			60dB min. (APC)		
Mechanical Characteristics	Engagement and Separation force		Measured with corresponding connector.		Simplex plug	Engagement force: 19.6 N max. Separation force: 19.6 N max.	
	Ferrule withdrawal force		Extract zirconia gauge 2.499 ±0.0005 mm dia from split sleeve.		Duplex plug	Engagement force: 39 N max. Separation force: 39 N max.	
	Cable retention (Straight pull)		89N tensile load for one minute.		Copper alloy split sleeve	2N to 5.9N	
	Durability (cycles, mating/un-mating)		1000 times		Zirconia split sleeve	2N to 3.9N	
	Vibration		Frequency: 10 to 55 Hz, single amplitude of 0.75 mm, 2 hours in each of the 3 axis.		1) Insertion loss fluctuation after test: 0.2dB max. 2) No visible damage, dislocation of clamp or cable.		
	Shock		Acceleration of 981 m/s², 6 ms duration, half sine shock pulse, 10 cycles in each of the 3 axis.				
Environmental Characteristics	Humidity (Temperature/ humidity- cycles)		-10°C to +65°C, humidity: 90% to 96% 10 cycles		1) Insertion loss fluctuation after test: 0.2dB max. 2) No visible damage, cracks or part dislocation.		
	Change of temperature		-40°C to +75°C 42 cycles (Complies with Telcordia standard GR-326-CORE)				
	Dry heat		240 hours at 85°C				
	Cold		240 hours at -25°C				
	Salt mist		48 hours in a 5% concentration of salt mist		No significant corrosion.		

Materials

Part	Material
Simplex plug housing	Synthetic resin
Spring	Stainless steel
Ferrule	Zirconia
Simplex adapter housing	Synthetic resin or Zinc alloy
4-position adapter housing	Synthetic resin
5-position adapter housing	Synthetic resin
Receptacle housing	Zinc alloy
Split sleeve	Zirconia or Phosphor Bronze
Dust cap	Synthetic resin

Function diagram

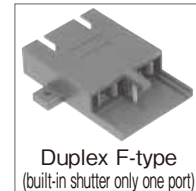
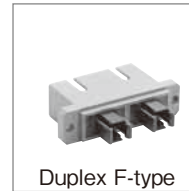
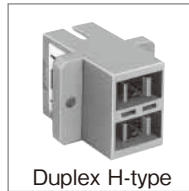
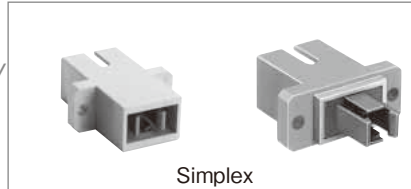
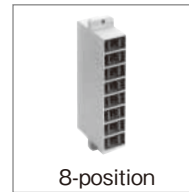
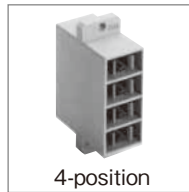


Simplified plugs & receptacles

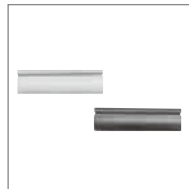
Plugs



Receptacles

Manual coupling/
decoupling typeTool decoupling
type

Split sleeve



Caps

For plug



For adapter



SC

FC

MU

Harsh
Environment

Attenuators

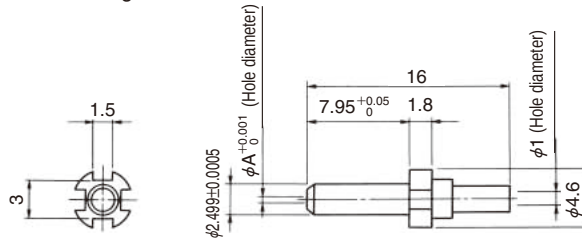
Terminators

POF / PCF

1. Ferrules

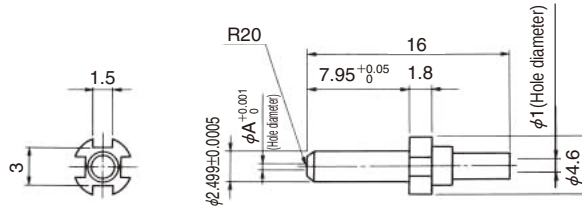
- ① It is not possible to connect it with a ferrule alone. Please use it with the plug housing.
 ② The angle of the fiber entrance (cone) is 60 degrees or 90 degrees.

●For PC, AdPC and UPC(Flat)



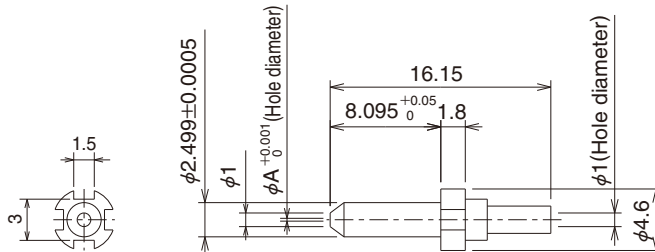
Part Number	CL No.	A dimension	Applicable Fiber cable
HSC-F321-A125(10)	704-0070-9-10	0.125	SM-9.5/125 GI-50/125
HSC-F321-A1255(10)	704-0200-2-10	0.1255	
HSC-F321-A126(10)	704-0071-1-10	0.126	

●For PC, AdPC and UPC(Pre-dome)



Part Number	CL No.	A dimension	Applicable Fiber cable
HSC-F3E2-A125	704-0590-9-00	0.125	SM-9.5/125 GI-50/125
HSC-F3E2-A1255	704-0571-4-00	0.1255	
HSC-F3E2-A126	704-0591-1-00	0.126	

●For APC



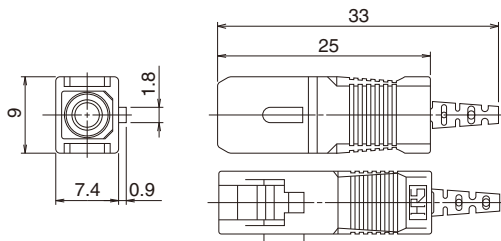
Part Number	CL No.	A dimension	Applicable Fiber cable
HSC-F391-A125(40)	704-3101-7-40	0.125	SM-9.5/125
HSC-F391-A1255(40)	704-3130-5-40	0.1255	
HSC-F391-A126(40)	704-3102-0-40	0.126	

2. Plug Housings

Please use them with the ferrule.

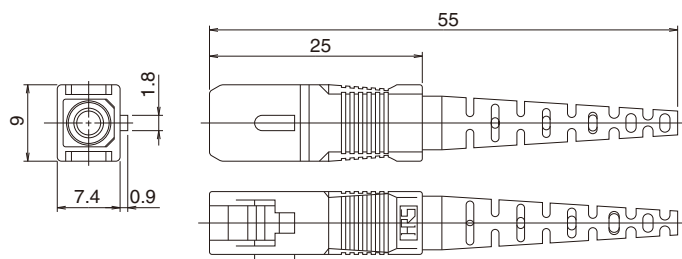
■Manual coupling / decoupling type

●Light weight type (For 0.9mm fiber)



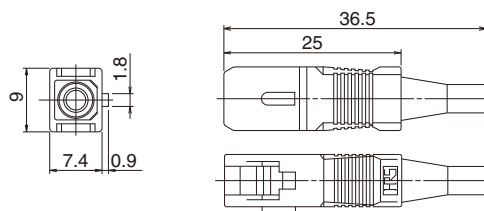
Part Number	CL No.	Boot color	Slider color	Polishing type
HSC-PH0.9-E1(26)	704-0339-2-26	Blue	Blue	PC
HSC-PH0.9-E2(51)	704-0354-6-51	Light purple		AdPC
HSC-PH0.9-E5(51)	704-3104-5-51	Green	Green	APC

●Strain relief type



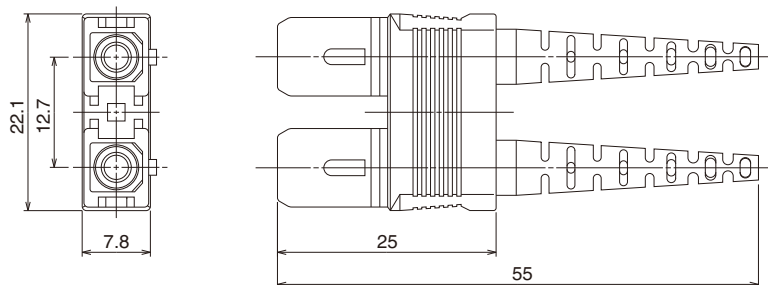
Part Number	CL No.	Fiber cable type	Slider color	Boot color	Polishing type	Outer jacket fixing
HSC-PH2-E1(64)	704-0327-3-64	φ2mm	Blue	Blue	PC	Crimp
HSC-PH2-E2(75)	704-0328-6-75			Light purple	AdPC	
HSC-PH2-E5(62)	704-3108-6-62		Green	Green	APC	
HSC-PH3-B1(68)	704-0222-5-68	φ3mm	Blue	Blue	PC	Crimp
HSC-PH3-B2(68)	704-0223-8-68			Light purple	AdPC	
HSC-PH3-B5(62)	704-3020-7-62		Green	Green	APC	

●Short length type (For 2mm Cable)



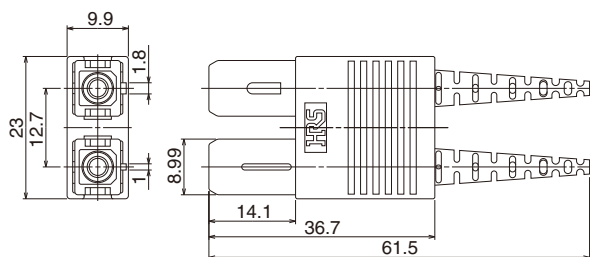
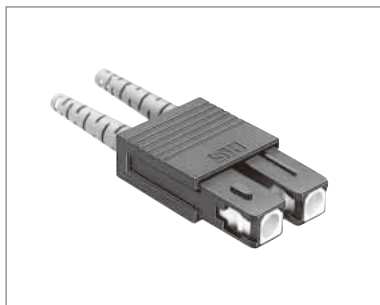
Part Number	CL No.	Slider color	Boot color	Polishing type	Outer jacket fixing
HSC-PH2-E1-A(62)	704-0464-4-62	Blue	Blue	PC	Glue
HSC-PH2-E2-A(62)	704-0480-0-62		Light purple	AdPC	
HSC-PH2-E5-A(60)	704-3124-2-60	Green	Green	APC	

●Duplex F-type



Part Number	CL No.	Applicable Fiber cable	Guide key	Slider color	Boot Color	Polishing type
HSCF-2PH2-E1(P)(62)	704-2109-3-62	φ2mm	P	Blue	Blue	PC
HSCF-2PH2-E2(P)(62)	704-2120-6-62				Light purple	AdPC
HSCF-2PH3-B1(P)(63)	704-2032-0-63	φ3mm			Blue	PC
HSCF-2PH3-B2(P)(65)	704-2036-1-65				Light purple	AdPC

●Duplex Flexibility type (Comply with ANSI), for single Mode

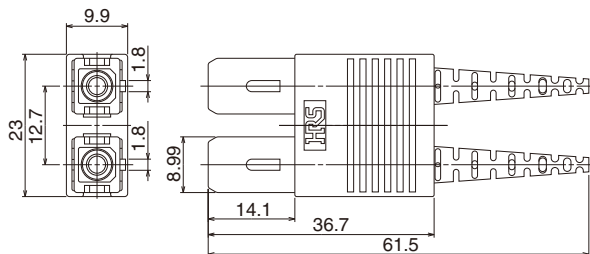


Part Number	CL No.	Applicable Fiber cable	Slider color	Boot Color	Polishing type
HSCM-2SPH2-B1(60)	704-2100-9-60	Simplex-2mm dia. cable or dual fiber zip cable	Black	Blue	PC
HSCM-2SPH3-B1(60)	704-2102-4-60	Simplex-3mm dia. cable or dual fiber zip cable		Light purple	AdPC
HSCM-2SPH2-B2(60)	704-2133-8-60	Simplex-2mm dia. cable or dual fiber zip cable			

The pitch size between plugs is flexible.

It is possible to connect it with duplex F-type adapter.

●Duplex Flexibility type (Comply with ANSI), for Multi-mode



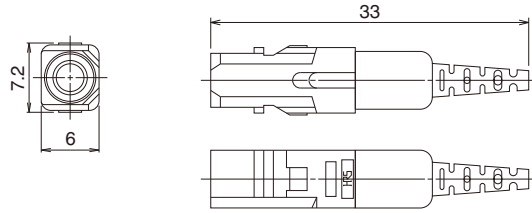
Part Number	CL No.	Applicable Fiber cable	Slider color	Boot Color	Polishing type
HSCM-2GPH2-B1(60)	704-2104-0-60	Simplex-2mm dia. cable or dual fiber zip cable	Black	Blue	PC
HSCM-2GPH3-B1(60)	704-2106-5-60	Simplex-3mm dia. cable or dual fiber zip cable			

The pitch size between plugs is flexible.

It is possible to connect it with duplex F-type adapter.

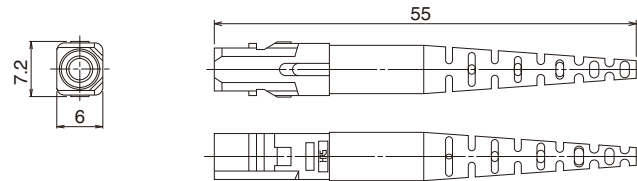
■Tool decoupling type

●Light weight type (For 0.9mm fiber)



Part Number	CL No.	Boot Color	Polishing type
HSC2-PH0.9-E1(51)	704-0421-1-51	Blue	PC
HSC2-PH0.9-E2(51)	704-0422-4-51	Light purple	AdPC

●Strain relief type

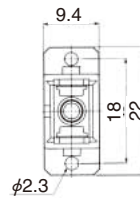
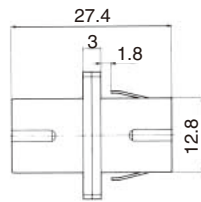


Part Number	CL No.	Fiber cable type	Boot color	Polishing type	Outer jacket fixing
HSC2-PH2-E1(69)	704-0329-9-69	φ2mm	Blue	PC	Glue
HSC2-PH2-E2(68)	704-0330-8-68		Light purple	AdPC	
HSC2-PH3-B1(63)	704-0226-6-63	φ3mm	Blue	PC	Crimp
HSC2-PH3-B2(63)	704-0227-9-63		Light purple	AdPC	

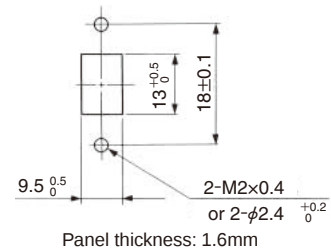
3. Adapters & Receptacles

Manual coupling / decoupling type

SC/SC Plastic Housing

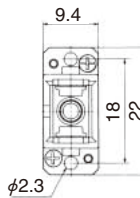
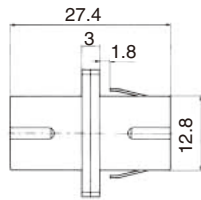
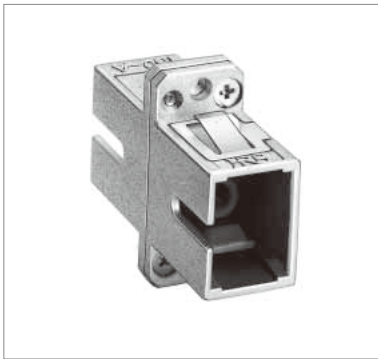


Panel cutout

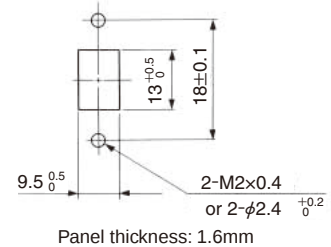


Part Number	CL No.	Split sleeve	Remarks
HSC-A3(51)	704-0092-1-51	Phosphor Bronze	PC,AdPC(Blue)
HSC-A3-D1(02)	704-0217-5-02	Zirconia	
HSC-A3-D2(06)	704-3007-9-06	Zirconia	
			APC(Green)

SC/SC Die Cast Metal Housing

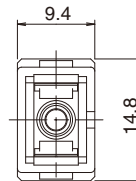
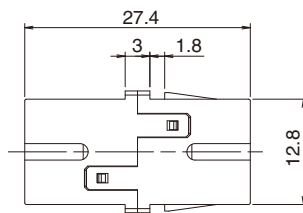
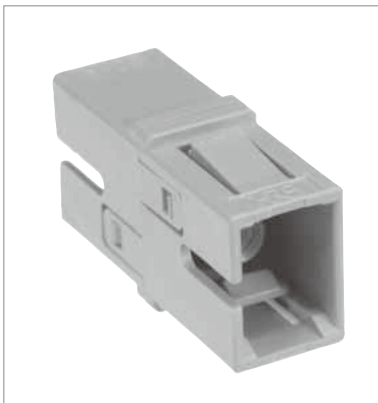


Panel cutout

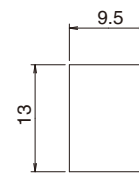


Part Number	CL No.	Split sleeve
HSC-A2(50)	704-0020-0-50	Phosphor Bronze
HSC-A2-D1(01)	704-0258-2-01	Zirconia

SC/SC Plastic Housing (Short flange)



Panel cutout

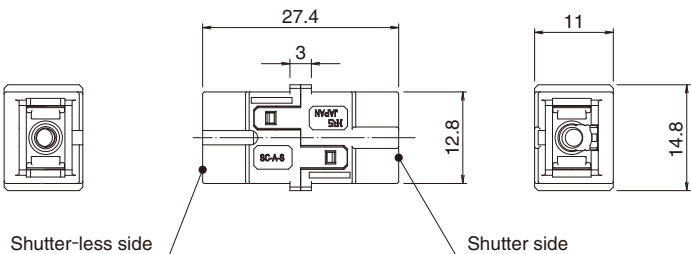


Panel thickness: 1.6mm

Part Number	CL No.	Split sleeve	Snap in latch for panel mount	Remarks
HSC-AFR-D1(01)	704-0572-7-01	Zirconia	without latch	PC,AdPC(Blue)
HSC-AFR-D2(01)	704-0573-0-01	Zirconia	with latch	

Note: When applying excessive force to the plug or inserting in an odd angle, the adapter housing might be damaged.

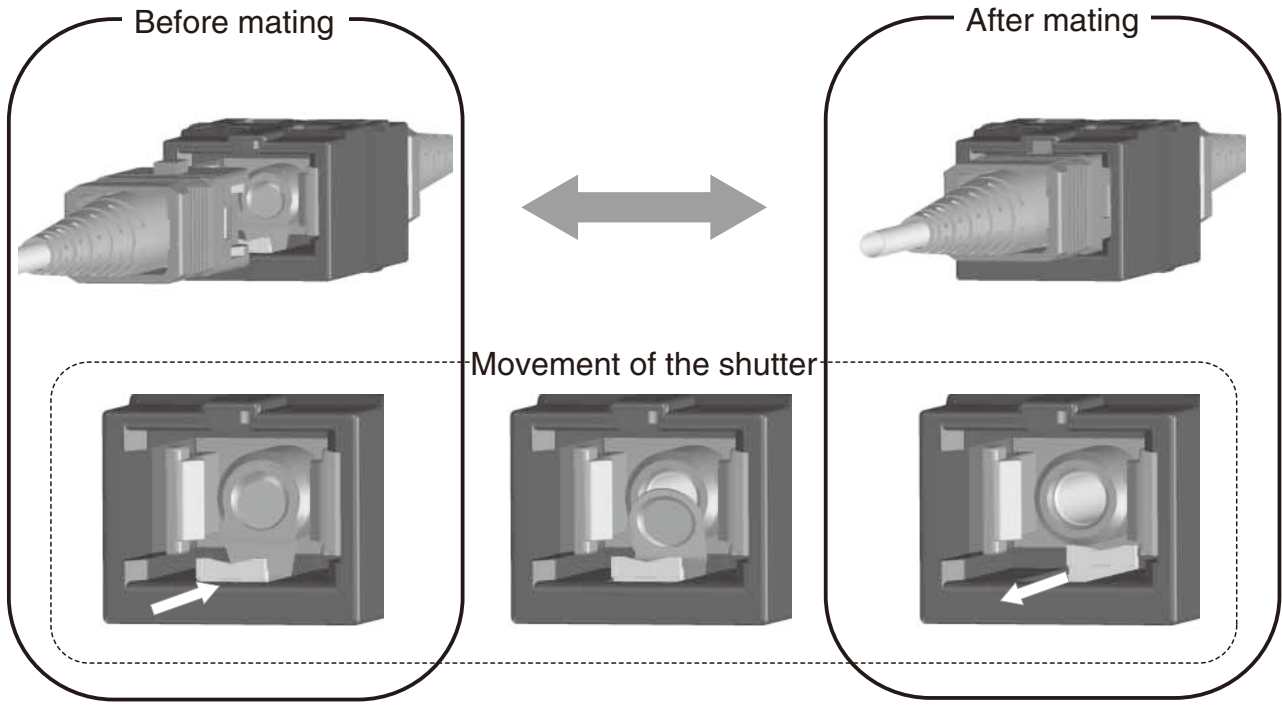
●SC/SC Plastic Housing (With shutter)



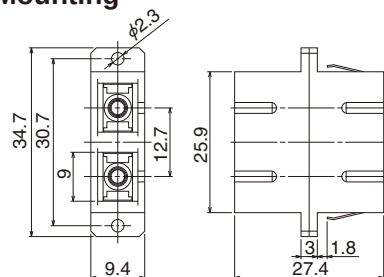
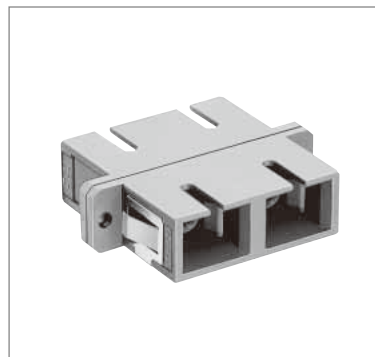
Part Number	CL No.	Split sleeve	Remarks
HSC-AFL1-S1-D1	704-0593-7-00	Zirconia	PC, AdPC(Blue)
HSC-AFL1-S1-D2	704-3141-1-00	Zirconia	APC(Green)

Features

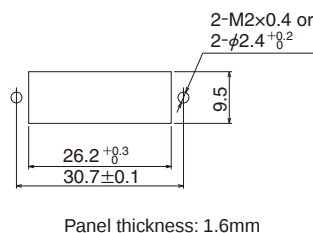
With built-in automatic shutter.



●F type Snap-in and/or Screw Mounting

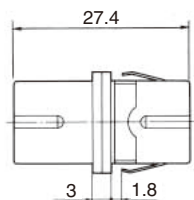
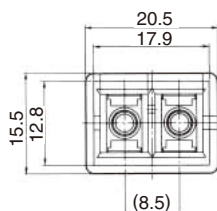


◆Panel cutout

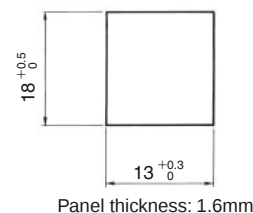


Part Number	CL No.	Split sleeve	Remarks
HSCF-2A(P)(51)	704-2008-6-51	Phosphor Bronze	PC, AdPC(Blue) APC(Green)
HSCF-2A-D(P)(06)	704-2040-9-06	Zirconia	
HSCF-2A-D2(P)(06)	704-2112-8-06		

●H type Snap-in

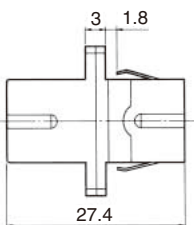
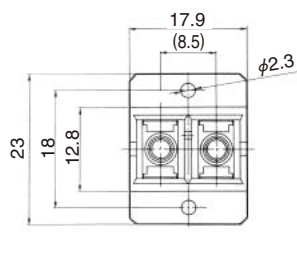


◆Panel cutout

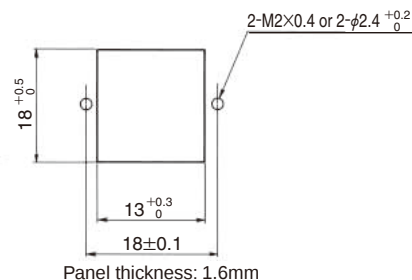


Part Number	CL No.	Split sleeve	Remarks
HSCH-2A1(P)(51)	704-2066-2-51	Phosphor Bronze	PC, AdPC(Blue) APC(Green)
HSCH-2A1-D2(P)	704-2137-9-00	Zirconia	

●H type Snap-in and/or Screw Mounting



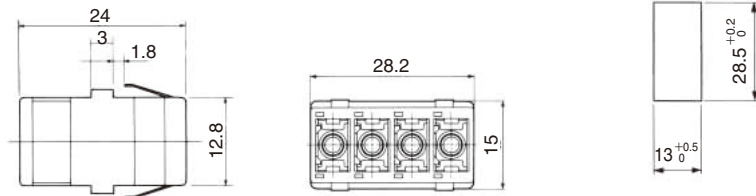
◆Panel cutout



Part Number	CL No.	Split sleeve	Remarks
HSCH-2A(P)(51)	704-2020-1-51	Phosphor Bronze	PC, AdPC(Blue)
HSCH-2A-D(P)(02)	704-2062-1-02	Zirconia	
HSCH-2A-D2(P)(03)	704-2108-0-03		APC(Green)

■ Tool decoupling type

● SC2/SC2 4-way adapter

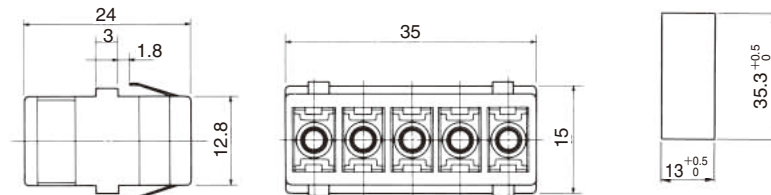


Panel thickness: 1.6mm

Part Number	CL No.	Split sleeve	Remarks
HSC2-4A(51)	704-0024-1-51	Phosphor Bronze	PC,AdPC(Blue)
HSC2-4A-D1(01)	704-0290-5-01	Zirconia	

Note: When applying excessive force to the plug or inserting in an odd angle, the zirconia sleeve within the adapter might be damaged.

● SC2/SC2 5-way adapter(for Multi-mode fiber)



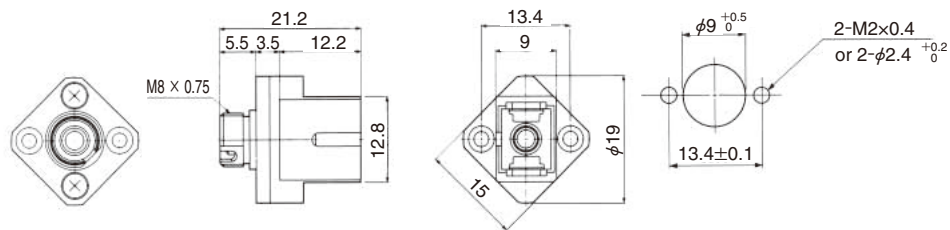
Panel thickness: 1.6mm

Part Number	CL No.	Split sleeve	Remarks
HSC2-5A(51)	704-0025-4-51	Phosphor Bronze	PC,AdPC(Blue)

Note: When applying excessive force to the plug or inserting in an odd angle, the zirconia sleeve within the adapter might be damaged.

■ Conversion adapters

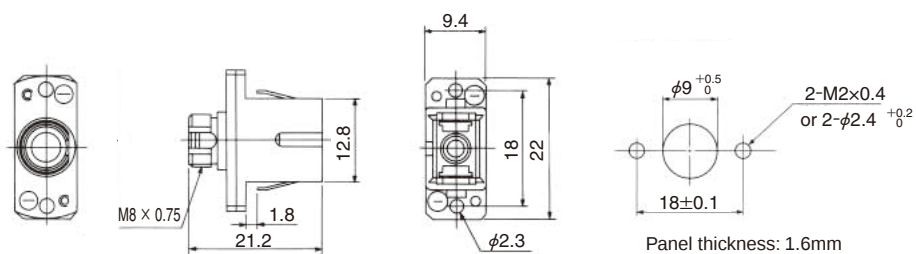
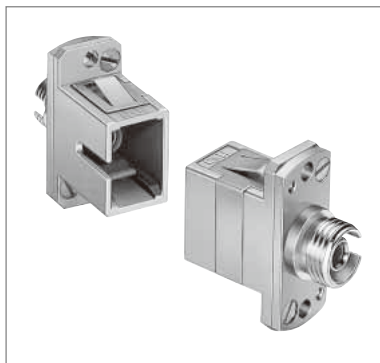
● FC / SC Screw Mounting



Part Number	CL No.	Split sleeve
HSCJ-HRFCJ-B(43)	704-0021-3-43	Phosphor Bronze

Note: The type of SC plug that can be mated is manual coupling/decoupling type.

● FC / SC Snap-in and/or Screw Mounting



Panel thickness: 1.6mm

Part Number	CL No.	Split sleeve
HSCJ-HRFCJ-C(43)	704-0206-9-43	Phosphor Bronze

Note: The type of SC plug that can be mated is manual coupling/decoupling type.

SC

FC

MU

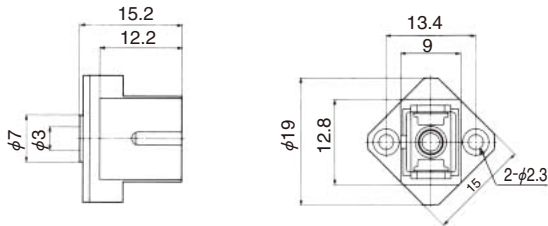
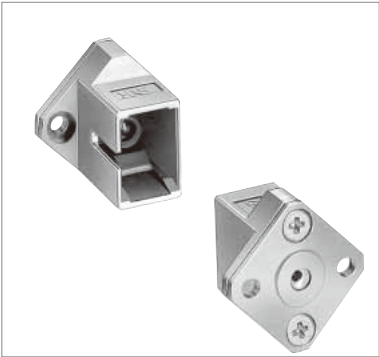
Harsh
Environment

Attenuators

Terminators

POF / PCF

Receptacles



Note: Designed for power meter sensors

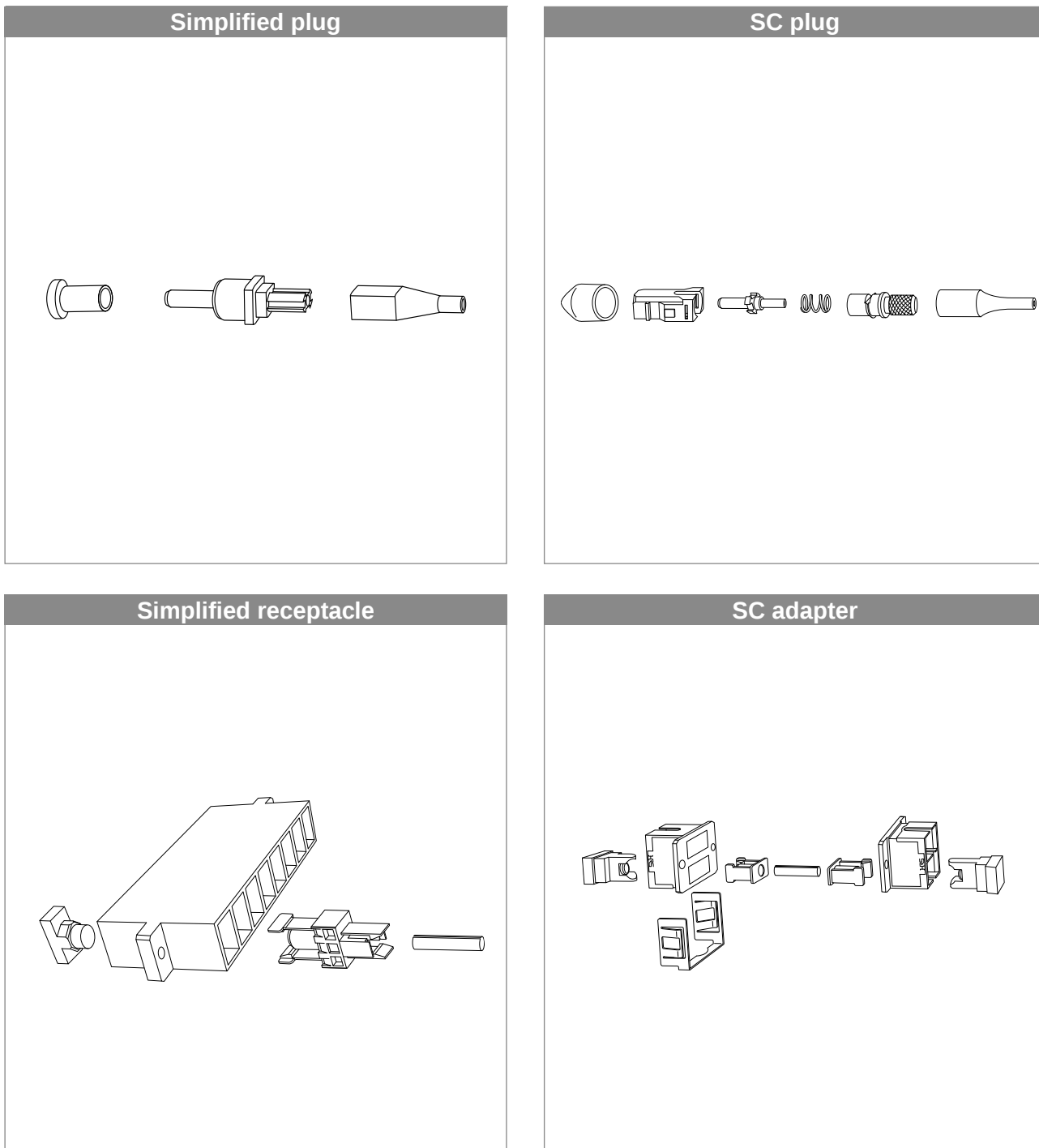
Part Number	CL No.	Remarks
HSC-R1-B(41)	704-0022-6-41	For MM
HSC-R2-B(41)	704-0023-9-41	For SM

Note: The type of SC plug that can be mated is manual coupling/decoupling type.

4. Simplified plugs & receptacles

■Features

1.This product greatly reduced the number of parts compared with the SC connector, and achieved cost-saving.



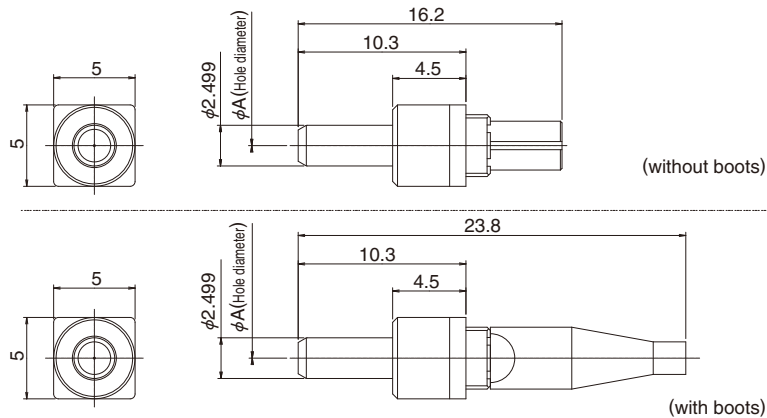
2.It achieved space-saving by using this product inside of the system.

3.Please use a special tool when you decouple the plug.

■Simplified plug

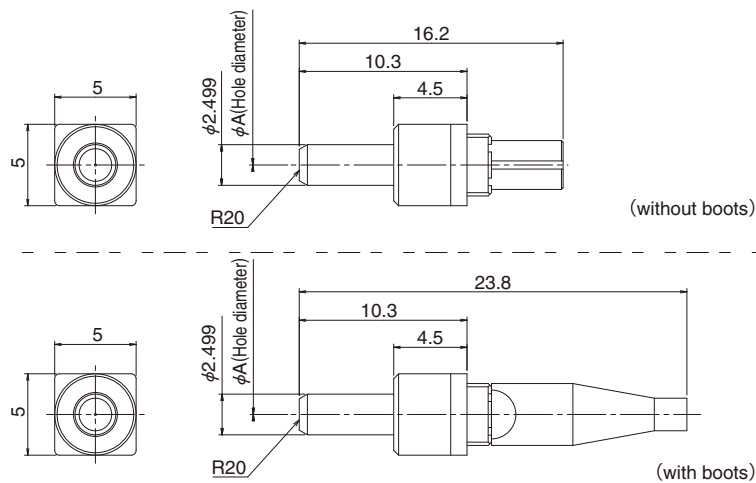
Please use the special decoupling tool when you unmate the simplified plug.

●Simplified plug(Flat)



Part Number	CL No.	A dimension	Remarks
HSC2-FK-A125(56)	704-0267-3-56	0.125	without boots
HSC2-FK-A1255(56)	704-0269-9-56	0.1255	
HSC2-FK-A126(56)	704-0268-6-56	0.126	
HSC2-FK-A125(51)	704-0267-3-51	0.125	with boots
HSC2-FK-A1255(51)	704-0269-9-51	0.1255	
HSC2-FK-A126(51)	704-0268-6-51	0.126	

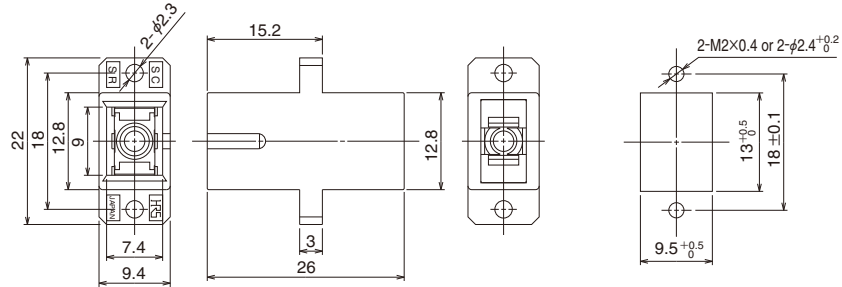
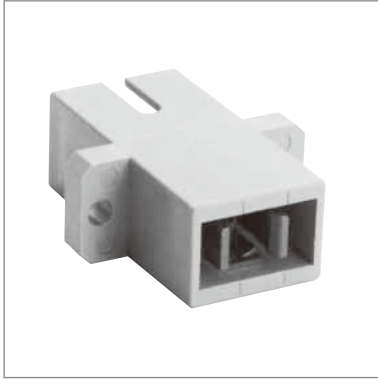
●Simplified plug(Pre-dome)



Part Number	CL No.	A dimension	Remarks
HSC2-FK2-A125(56)	704-0407-0-56	0.125	without boots
HSC2-FK2-A1255(56)	704-0408-3-56	0.1255	
HSC2-FK2-A126(56)	704-0409-6-56	0.126	
HSC2-FK2-A125(51)	704-0407-0-51	0.125	with boots
HSC2-FK2-A1255(51)	704-0408-3-51	0.1255	
HSC2-FK2-A126(51)	704-0409-6-51	0.126	

■ Simplified receptacle to SC

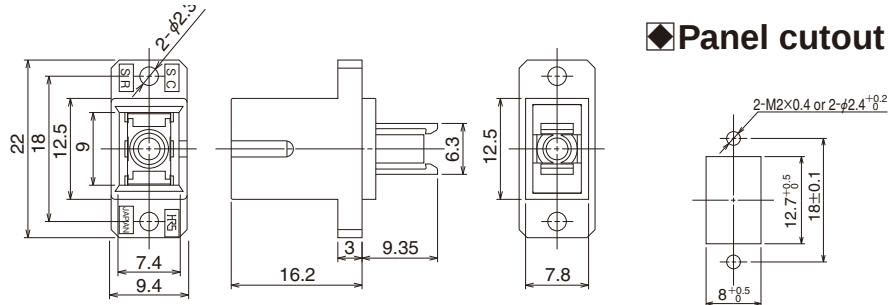
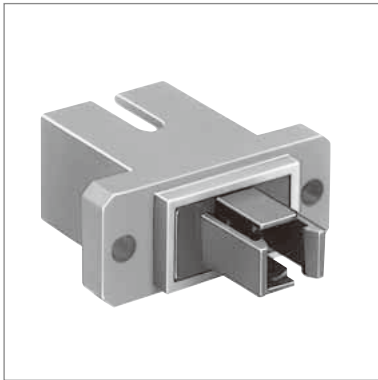
● Simplex / Shrouded



Part Number	CL No.	Split sleeve
HSC-SR-1(51)	704-0320-4-51	Phosphor Bronze
HSC-SR-D1(02)	704-0321-7-02	Zirconia
HSC-SR-1(03)	704-0320-4-03	None

Note. The type of SC plug that can be mated is manual coupling/decoupling type.

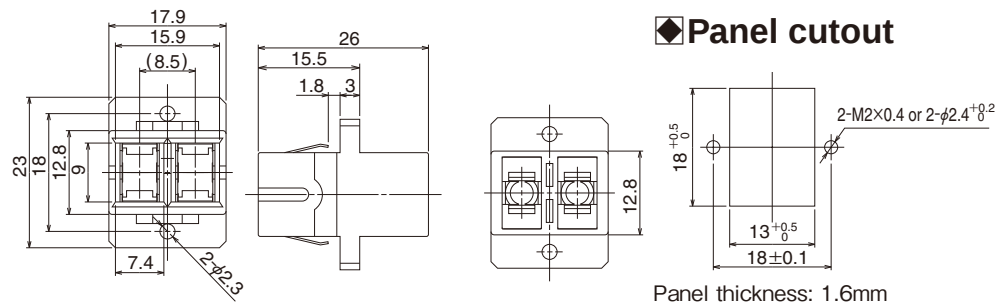
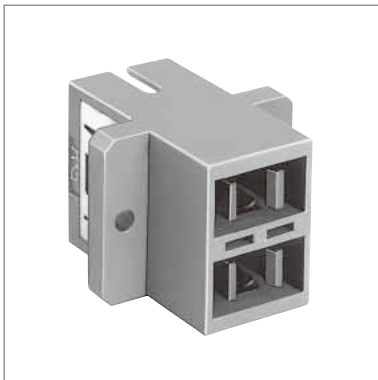
● Simplex / Unshrouded



Part Number	CL No.	Split sleeve
HSC-SR-2(51)	704-0291-8-51	Phosphor Bronze
HSC-SR-D2(06)	704-0292-0-06	Zirconia
HSC-SR-2(03)	704-0291-8-03	None

Note. The type of SC plug that can be mated is manual coupling/decoupling type.

● Duplex H type / Shrouded



Part Number	CL No.	Split sleeve
HSCH-2SR-1(R)(51)	704-0293-3-51	Phosphor Bronze
HSCH-2SR-D1(R)(01)	704-0294-6-01	Zirconia

Note. The type of SC plug that can be mated is manual coupling/decoupling type.

SC

FC

MU

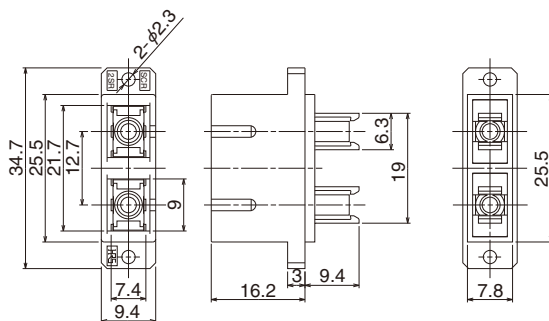
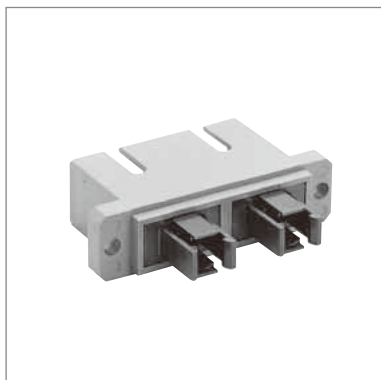
Harsh
Environment

Attenuators

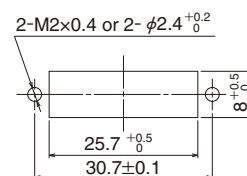
Terminators

POF / PCF

● Duplex F type / Unshrouded



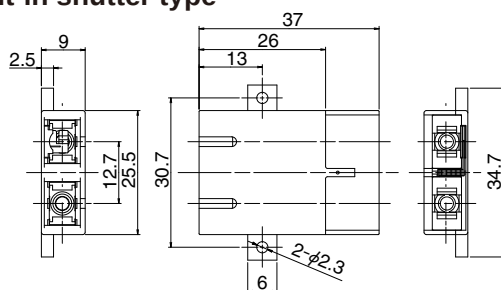
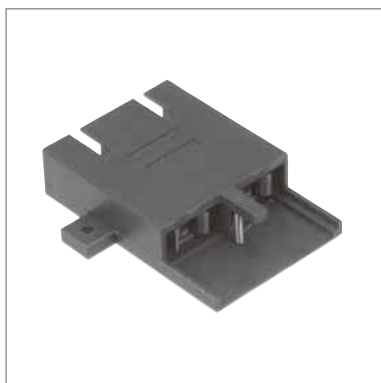
◆ Panel cutout



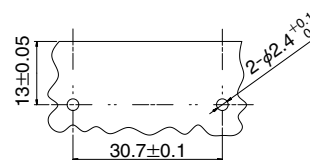
Part Number	CL No.	Split sleeve
HSCF-2SR-2(P)(51)	704-0295-9-51	Phosphor Bronze
HSCF-2SR-2(P)(03)	704-0295-9-03	None

Note. The type of SC plug that can be mated is manual coupling/decoupling type.

● Duplex F type / Shrouded, built-in shutter type



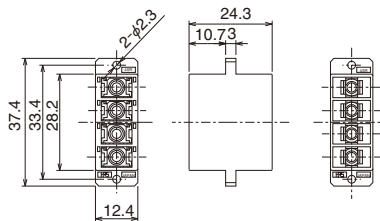
◆ Panel cutout



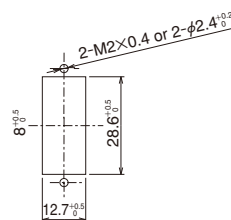
Part Number	CL No.	Split sleeve
HSCF-2SR-S2	704-0516-6-00	None

※ The type of SC plug that can be mated is manual coupling/decoupling type.
Note. The shutter is built into only one of ports.

● 4-Position / Shrouded



◆ Panel cutout

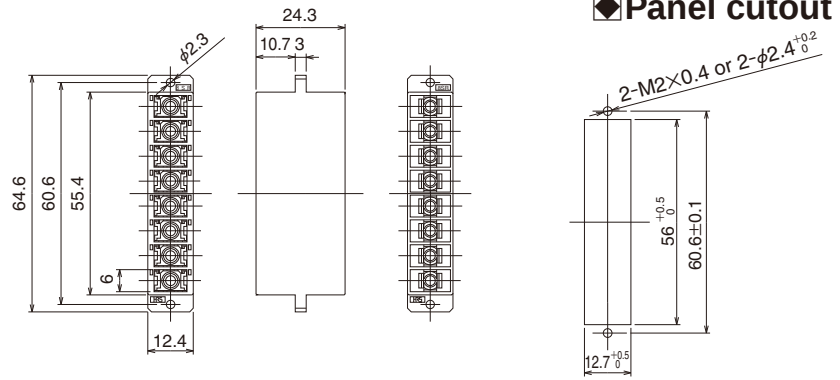


Part Number	CL No.	Split sleeve
HSC2-4SR-1(51)	704-0311-3-51	Phosphor Bronze
HSC2-4SR-D1(01)	704-0312-6-01	Zirconia
HSC2-4SR-1(03)	704-0311-3-03	None

Note: When applying excessive force to the plug or inserting in an odd angle, the zirconia sleeve within the adapter might be damaged.

※ The type of SC plug that can be mated is tool decoupling type.

●8-Position / Shrouded

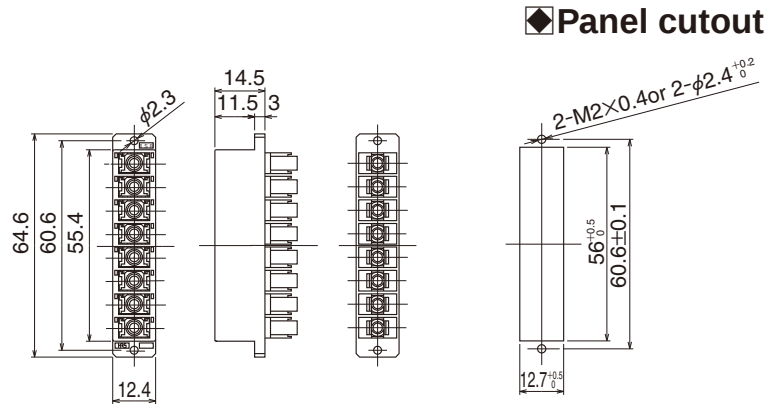


Part Number	CL No.	Split sleeve
HSC2-8SR-D1(01)	704-0270-8-01	Zirconia
HSC2-8SR-1(03)	704-0266-0-03	None

Note: When applying excessive force to the plug or inserting in an odd angle, the zirconia sleeve within the adapter might be damaged.

※ The type of SC plug that can be mated is tool decoupling type.

●8-Position / Unshrouded

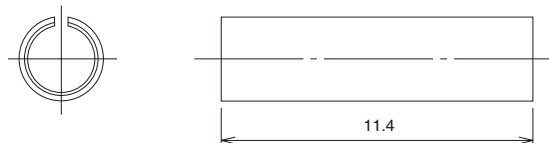
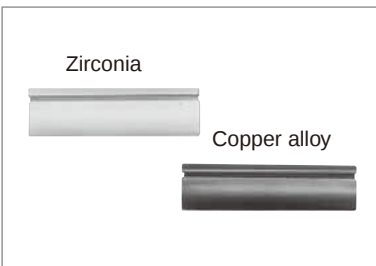


Part Number	CL No.	Split sleeve
HSC2-8SR-2(51)	704-0318-2-51	Phosphor Bronze
HSC2-8SR-D2(01)	704-0403-0-01	Zirconia
HSC2-8SR-2(03)	704-0318-2-03	None

Note: When applying excessive force to the plug or inserting in an odd angle, the zirconia sleeve within the adapter might be damaged.

※ The type of SC plug that can be mated is tool decoupling type.

■Split sleeve

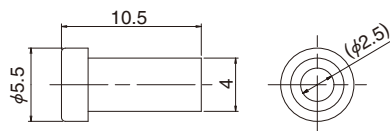


Part Number	CL No.	Split sleeve
HSC-SLIT-SLEEVE(51)	704-0275-1-51	Phosphor Bronze
HSC-D	704-0264-5-00	Zirconia

5. Caps

■ For plug

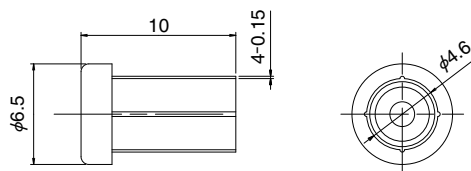
● Ferrule cap



Part Number	CL No.
HSC-C7(20)	704-0420-9-20

※ HRS standard cap for plugs.
※ Press fit to ferrule outer.

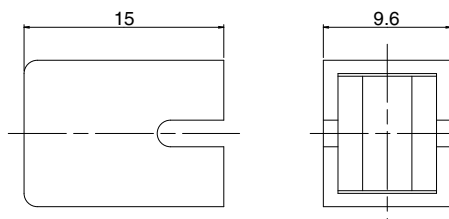
● Press fit to plug frame inner type cap



Part Number	CL No.
HSC-C1	704-0484-1-00

※ Press fit to plug frame inner. The cap will not touch the outside ferrule.

● Cap for SC plug housing



Part Number	CL No.
HSC-C8	704-0542-6-00

※ Press fit to outside of SC slider.

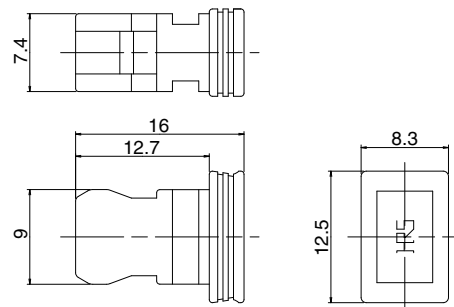
■ For adapter

● Simplex plastic cap



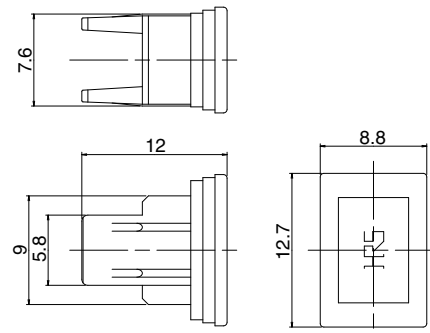
Part Number	CL No.
HSC-C5	704-0363-7-00

※ HRS standard cap for SC adapters.
※ The cap is inserted in the lock part of the adapter.

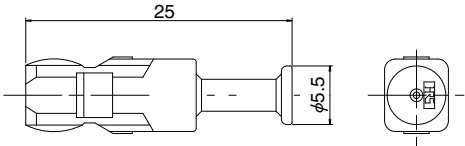


Part Number	CL No.
HSC-C9	704-0588-7-00

※ Press fit to adapter inner.



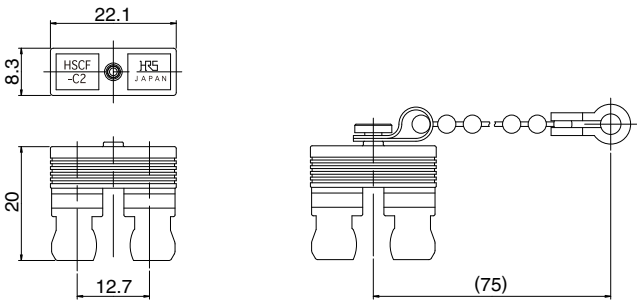
●Simplex plastic cap



Part Number	CL No.
HSC2-C2	704-0487-0-00

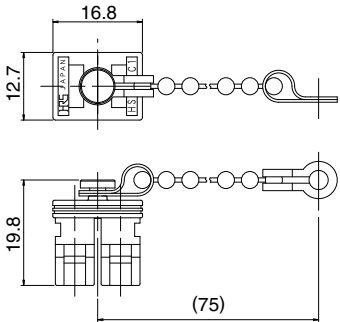
※ The cap is inserted in the lock part of the adapter.

●Duplex F-type plastic cap



Part Number	CL No.	Remarks
HSCF-C2(40)	704-2126-2-40	without cahin
HSCF-C3(40)	704-2135-3-40	with cahin

●Duplex H-type plastic cap



Part Number	CL No.	Remarks
HSCH-C1(40)	704-2122-1-40	with cahin

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SC

FC

MU

Harsh
Environment

Attenuators

Terminators

POF / PCF

6. Tools

●HSC2 Insertion/Extraction Tool

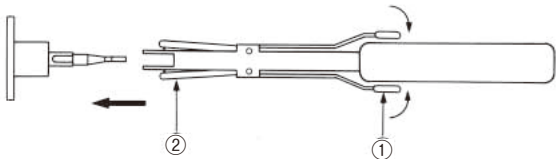


Part Number	CL No.	Applicable Products
HSC-T1-L	704-0286-8-00	HSC2 Series

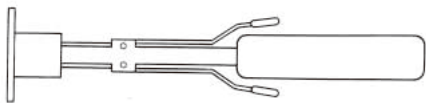
Note. Handle with care because slim tips breaks easily.

<How to operate>

1.Open the tip of tool by compressing levers as shown below.

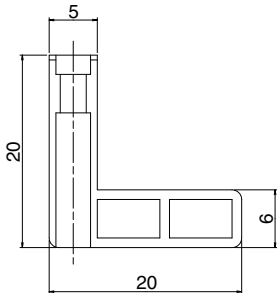
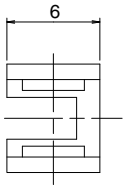
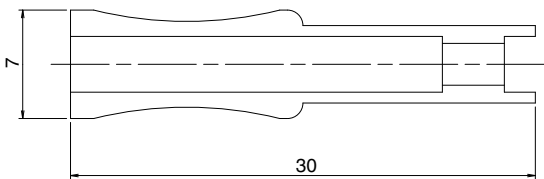
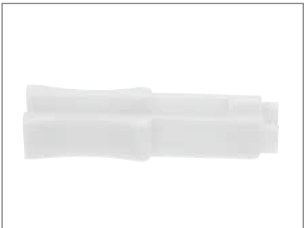


2.Insert the tool (with opening the tips) into adapter.



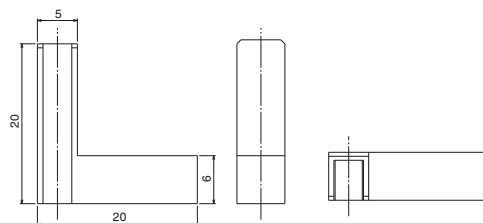
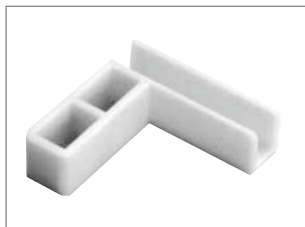
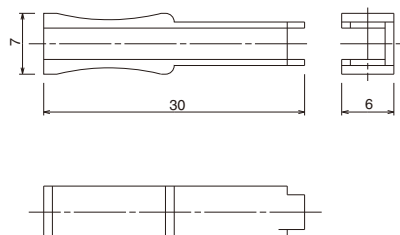
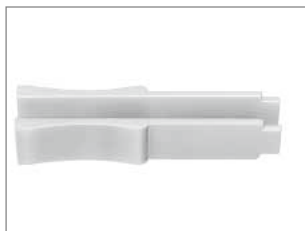
3.Release the levers (then the tool catch HSC2 plug) and you can release the connector.

● Extraction tool for Simplified plug (without boots)



Part Number	CL No.	Shape
HSC-T13	704-0449-0-00	Straight
HSC-T8	704-0447-5-00	L type

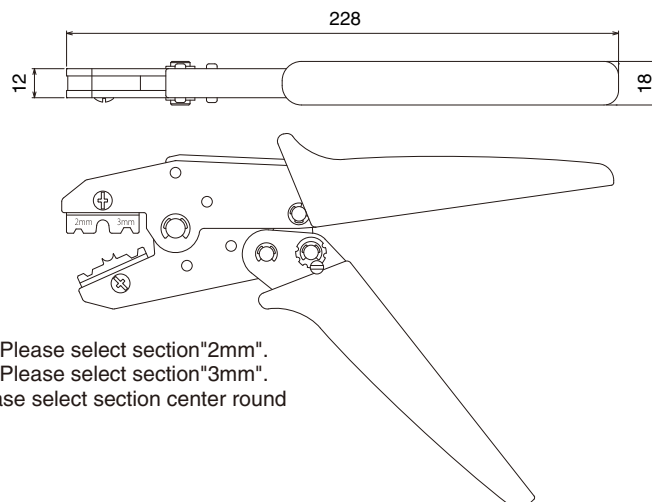
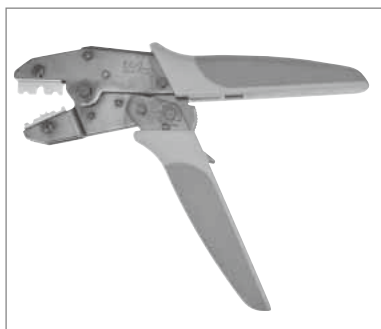
● Extraction tool for Simplified plug (with boots)



Part Number	CL No.	Shape
HSC-T10	704-0350-5-00	Straight
HSC-T12	704-0448-8-00	L type

● Crimp Tool

This is used in crimping of Kevlar or jacket at time of the plug (for cable diameter 2mm & 3mm) termination.



Part Number	CL No.	
HT501/HSC-T20	CL902-6064-2	(1) 2mm Jacket crimping: Please select section "2mm". 3mm Jacket crimping: Please select section "3mm". (2) Kevlar™ crimping: Please select section center round groove.

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Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
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Саранск (8342)22-96-24
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
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Череповец (8202)49-02-64
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