

Optical Fiber Patch Cables

FIPAC

RoHS

A full lineup of optical fiber patch cables, designed for use with visible light through to infrared light.

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Single-mode Optical Fiber Patch Cable | FC/PC-FC/PC



- With FC/PC connector
- ϕ 3mm protective tube
- Return loss: Typ.50 dB or more

Specifications

Part Number	Length [m]	Operating Wavelength ^{*1} [nm]	Cutoff Wavelength [nm]	MFD ^{*2} [μm]	Cladding Diameter [μm]	NA	Fiber
FIPAC-SM-405-3-FPFP-2M	2	400 – 550	370±30	3.5±0.5 @532nm	125	0.13	SPF405
FIPAC-SM-450-3-FPFP-2M	2	450 – 600	430±30	3.5±0.5 @532nm	125	0.13	SPF450
FIPAC-SM-600-3-FPFP-2M	2	600 – 800	570±30	4.0±0.5 @633nm	125	0.13	SPF600
FIPAC-SM-750-3-FPFP-2M	2	750 – 970	730±40	5.0±0.5 @850nm	125	0.13	SPF750
FIPAC-SM-1060-3-FPFP-2M	2	980 – 1600	920±40	6.5±0.5 @1060nm	125	0.13	SPF1060
FIPAC-SM-1550-3-FPFP-2M	2	1260 – 1620	1260±30	9.2±0.5 @1310nm	125	0.13	SMF-28e

*1 The operating wavelength range is a reference value, and is not a guaranteed value.

*2 The MFD is a nominally calculated value for the operating wavelength.

Single-mode Optical Fiber Patch Cable | FC/APC-FC/APC



- With FC/APC connector
- ϕ 3mm protective tube
- Return loss: Typ.50 dB or more

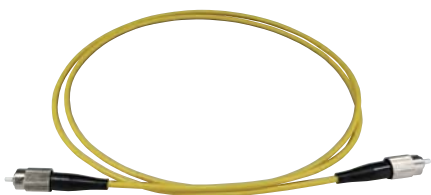
Specifications

Part Number	Length [m]	Operating Wavelength ^{*1} [nm]	Cutoff Wavelength [nm]	MFD ^{*2} [μm]	Cladding Diameter [μm]	NA	Fiber
FIPAC-SM-405-3-FAFA-2M	2	400 – 550	370±30	3.5±0.5 @532nm	125	0.13	SPF405
FIPAC-SM-450-3-FAFA-2M	2	450 – 600	430±30	3.5±0.5 @532nm	125	0.13	SPF450
FIPAC-SM-600-3-FAFA-2M	2	600 – 800	570±30	4.0±0.5 @633nm	125	0.13	SPF600
FIPAC-SM-750-3-FAFA-2M	2	750 – 970	730±40	5.0±0.5 @850nm	125	0.13	SPF750
FIPAC-SM-1060-3-FAFA-2M	2	980 – 1600	920±40	6.5±0.5 @1060nm	125	0.13	SPF1060
FIPAC-SM-1550-3-FAFA-2M	2	1260 – 1620	1260±30	9.2±0.5 @1310nm	125	0.13	SMF-28e

*1 The operating wavelength range is a reference value, and is not a guaranteed value.

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Single-mode Optical Fiber Patch Cable | FC/PC-FC/APC



- With FC/PC-FC/APC connector
- $\phi 3\text{mm}$ protective tube
- Return loss: Typ.50 dB or more

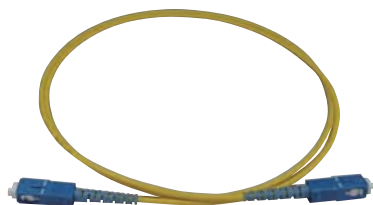
Specifications

Part Number	Length [m]	Operating Wavelength ^{*1} [nm]	Cutoff Wavelength [nm]	MFD ^{*2} [μm]	Cladding Diameter [μm]	NA	Fiber
FIPAC-SM-1550-3-FPFA-2M	2	1260 – 1620	1260 $\pm$ 30	9.2 $\pm$ 0.5 @1310nm	125	0.13	SMF-28e

*1 The operating wavelength range is a reference value, and is not a guaranteed value.

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Single-mode Optical Fiber Patch Cable | SC connector



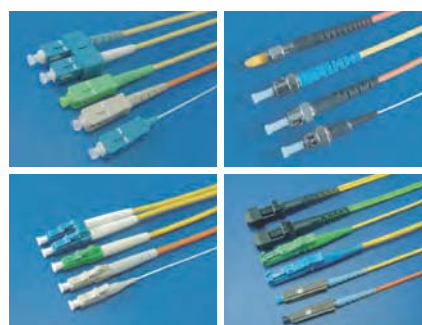
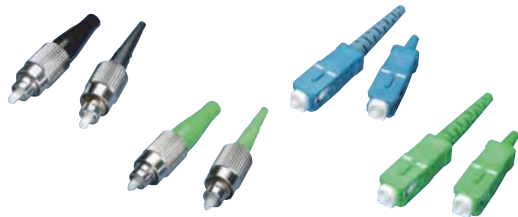
- With SC connector
- $\phi 3\text{mm}$ protective tube
- Return loss: Typ.50 dB or more

Specifications

Part Number	Length [m]	Connector A	Connector B	Fiber Diameter [mm]	Operating Wavelength ^{*1} [nm]	Fiber
FIPAC-SM-1550-3-SPSP-2M	2	SC/PC	SC/PC	$\phi 3$	1260 – 1620	SMF-28e
FIPAC-SM-1550-3-SPSA-2M	2	SC/PC	SC/APC	$\phi 3$		
FIPAC-SM-1550-3-SASA-2M	2	SC/APC	SC/APC	$\phi 3$		

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Custom-design/Optical fiber patch cables are also available.



Specifying Part Numbers

FIPAC- - - - -

Type	Fiber Type	Fiber Diameter	Connector Type	Fiber Length
SM: Single-Mode	405: SFP405	0.25: $\phi 250\mu\text{m}$	FP: FC/PC	1.5M: 1.5m
PM: Polarization-maintaining	450: SFP450	0.4: $\phi 400\mu\text{m}$	FA: FC/APC	2M: 2m
MM: Multi-Mode	600: SFP600	0.9: $\phi 900\mu\text{m}$	SP: SC/PC	etc.0.5 – 10m
	780: SFP780	2: $\phi 2\text{mm}$	SA: SC/APC	
	1060: SFP1060	3: $\phi 3\text{mm}$	LC: LC	
	1550: SMF-28e		SMA: SMA	
	Custom			
	1060XP: 1060XP(Nufern)			
	50/125: MMF 50/125 μm			
	etc.			

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