

## FuseConnect™

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Fujikura's FuseConnect series is factory pre-polished and could be terminated easily by fusion splicer in the field. Similar with FAST connector, Fuse Connector is simple and easy to assemble.

### Features:

- No epoxy, No polishing
- Easily terminate by fusion splicer
- FuseConnect have the design to clamp 900um coated fiber, 2mm/3mm cord and Squire shaped drop/indoor cable.

## Specifications

### 1. 0.9mm fiber

<b>Applicable fiber</b>	0.9mm fiber (850~950μm)		
<b>Connector type</b>	SC, LC, ST* <sup>1</sup> , FC		
<b>Fiber type</b>	SM	MM (OM1, OM2 or OM3) * <sup>2</sup>	
<b>Polishing</b>	UPC	APC	PC
<b>Housing color</b>	Blue	Green	OM1:Beige, OM2:Black, OM3:Aqua
<b>Insertion loss *<sup>3</sup></b>	≤0.4 dB		
<b>Return loss *<sup>3</sup></b>	≥50 dB	≥60 dB	-

### 2. 2mm/3mm code

<b>Applicable fiber/cable</b>	Φ2mm : Inside 0.9mm fiber, Φ3mm : Inside 0.9mm fiber		
<b>Connector type</b>	SC, LC, ST* <sup>1</sup> , FC		
<b>Fiber type</b>	SM	MM (OM1, OM2 or OM3) * <sup>2</sup>	
<b>Polishing</b>	UPC	APC	PC
<b>Housing color</b>	Blue	Green	OM1:Beige, OM2:Black, OM3:Aqua
<b>Insertion loss *<sup>3</sup></b>	≤0.4 dB		
<b>Return loss *<sup>3</sup></b>	≥50 dB	≥60 dB	-

### 3. Square shaped outdoor/indoor cable

<b>Applicable cable</b>	Outdoor : 3.1 x 2 mm, Indoor : 2 x 1.6 mm
<b>Connector type</b>	SC
<b>Fiber type</b>	SM
<b>Polishing</b>	UPC
<b>Housing color</b>	Blue
<b>Insertion loss *<sup>3</sup></b>	≤0.4 dB
<b>Return loss *<sup>3</sup></b>	≥40 dB

\*1 : ST is only SPC available

\*2 : OM1 : GI 62.5/125, IEC60793-2-10A1b, OM2 : GI 50/125, IEC60793-2-10A1a.1, OM3 : GI 50/125, IEC60793-2-10A1a.2

\*3 : with master, SM@1310, 1550nm, MM@850, 1310nm

## Ordering Information / Product Image (After assembly)

### 1. 0.9mm fiber

Fiber	Polishing	SC	LC	ST	FC
SM	UPC	SC-SF-SM-09	LC-SF-SM-09 <sup>*A</sup>	ST-SF-SM-09	FC-SF-SM-09
	APC	SC-SF-APC-09	LC-SF-APC-09 <sup>*B</sup>	-	FC-SF-APC-09
MM(OM1)	PC	SC-SF-GI6-09	LC-SF-GI6-09	ST-SF-GI6-09	FC-SF-GI6-09
MM(OM2)	PC	SC-SF-GI5-09	LC-SF-GI5-09	ST-SF-GI5-09	FC-SF-GI5-09
MM(OM3)	PC	SC-SF-10G-09	LC-SF-10G-09 <sup>*C</sup>	ST-SF-10G-09	FC-SF-10G-09

\*A : LC-SF-SM-09



\*B : LC-SF-APC-09



\*C: LC-SF-10G-09



### 2-(1) 2mm code only

Fiber	Polishing	SC	LC	ST	FC
SM	UPC	SC-QA-SM-20 <sup>*D</sup>	LC-QA-SM-20 <sup>*F</sup>	ST-SF-SM-20	-
	APC	SC-QA-APC-20 <sup>*E</sup>	LC-QA-APC-20 <sup>*G</sup>	-	-
MM(OM1)	PC	SC-QA-GI6-20	LC-QA-GI6-20	ST-SF-GI6-20	-
MM(OM2)	PC	SC-QA-GI5-20	LC-QA-GI5-20	ST-SF-GI5-20	-
MM(OM3)	PC	SC-QA-10G-20	LC-QA-10G-20	ST-SF-10G-20	-

### 2-(2) 3mm code only

Fiber	Polishing	SC	LC	ST	FC
SM	UPC	SC-QA-SM-30	LC-SF-SM-30	ST-SF-SM-30	-
	APC	SC-QA-APC-30	LC-SF-APC-30	-	-
MM(OM1)	PC	SC-QA-GI6-30	LC-SF-GI6-30	ST-SF-10G-30	-
MM(OM2)	PC	SC-QA-GI5-30	LC-SF-GI5-30	ST-SF-GI5-30	-
MM(OM3)	PC	SC-QA-10G-30	LC-SF-10G-30	-	-

## 2-(3) Both use for 2mm and 3mm code

Fiber	Polishing	SC	LC	ST	FC
SM	UPC	SC-SF-SM-20/30 <sup>*H</sup>	-	-	FC-SF-SM-20/30
	APC	SC-SF-APC-20/30 <sup>*J</sup>	-	-	FC-SF-APC-20/30
MM(OM1)	PC	SC-SF-GI6-20/30	-	-	FC-SF-GI6-20/30
MM(OM2)	PC	SC-SF-GI5-20/30	-	-	FC-SF-GI5-20/30
MM(OM3)	PC	SC-SF-10G-20/30	-	-	FC-SF-10G-20/30

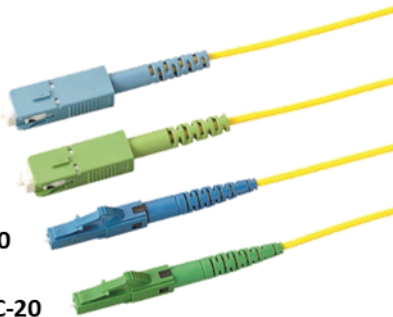
• QA type : xx-QA-xxx-xx

\*D : SC-QA-SM-20

\*E : SC-QA-APC-20

\*F : LC-QA-SM-20

\*G : LC-QA-APC-20



• SF type : xx-SF-xxx-xx

\*H : SC-SF-SM-20/30

\*J : SC-SF-APC-20/30



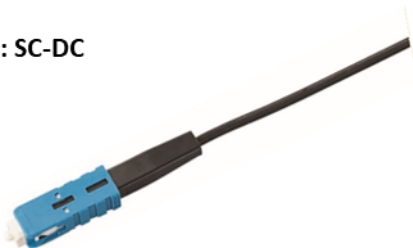
## 3-(1) Outdoor cable (2x3 mm)

Fiber	Polishing	SC	LC	ST	FC
SM	SPC	SC-DC <sup>*K</sup>	-	-	-

## 3-(2) Indoor cable (1.6x2mm)

Fiber	Polishing	SC	LC	ST	FC
SM	SPC	SC-LFC <sup>*L</sup>	-	-	-

\*K : SC-DC



\*L : SC-LFC

