

# FuseConnect™ Series



## FuseConnect™

FuseConnect™ is designed to work with an industry standard cleaver and splicers utilising a fibre holder system and the simplified field installation process minimises the potential for operator error and expensive connector scrap, even in difficult field environments or in exposed conditions at remote site locations.

Our latest fusion splicers are also pre-programmed for FuseConnect™ terminations, which further simplifies the assembly process.

### Features:

- No epoxy, No polishing
- Easily fusion splicer termination operation
- FuseConnect is designed for 900um coated fiber, 2mm/3mm cord and rectangle 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) or both use.		
<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-(1). Rectangular shaped cable:

<b>Applicable cable</b>	Outdoor(3.1 x 2 mm) or Indoor(2 x 1.6 mm)		
<b>Connector type</b>	SC		
<b>Fiber type</b>	SM		
<b>Polishing</b>	UPC		APC
<b>Housing color</b>	Blue		Green
<b>Insertion loss *<sup>3</sup></b>	≤0.4 dB		
<b>Return loss *<sup>3</sup></b>	≥50 dB		≥60 dB

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

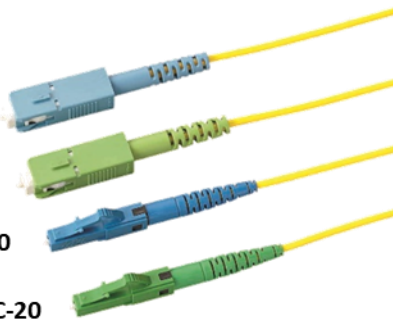
• SF type : xx-**SF**-xxx-xx

\*D : SC-QA-SM-20

\*E : SC-QA-APC-20

\*F : LC-QA-SM-20

\*G : LC-QA-APC-20



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

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



## 3-(1) Rectangular shaped cable : Outdoor(3.1 x 2 mm)

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

## 3-(2) Rectangular shaped cable : Indoor(2 x 1.6 mm)

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

\*K : SC-DC



\*L : SC-LFC

