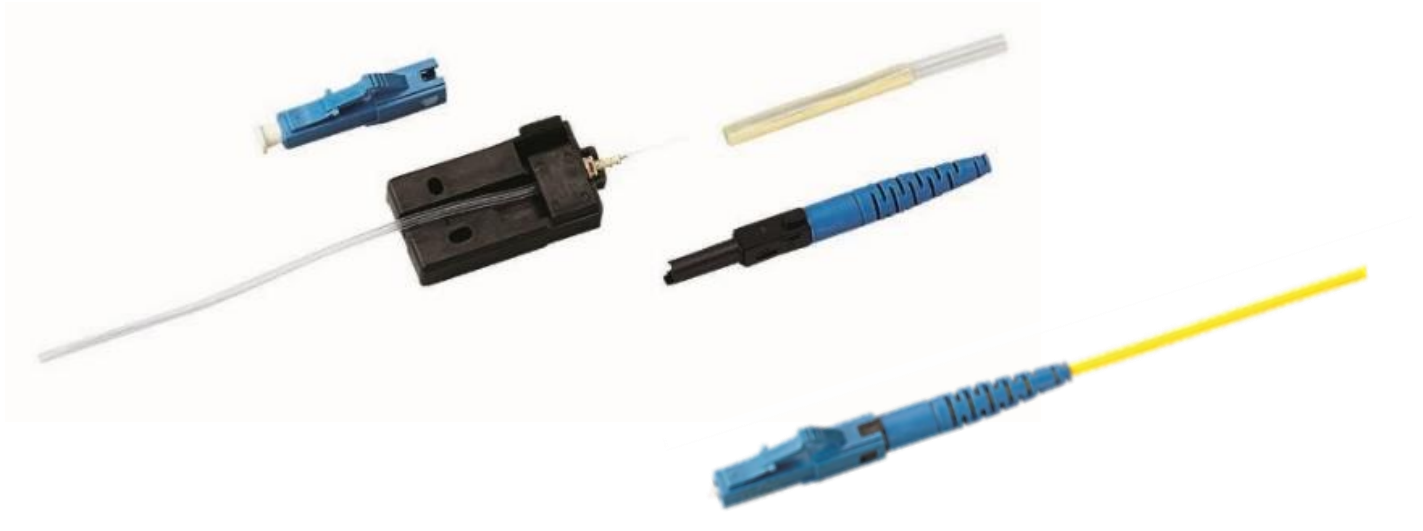




FuseConnect™

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

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

2. 2mm/3mm code

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

3. Squire shaped outdoor/indoor cable

Applicable cable	Outdoor : 3.1 x 2 mm, Indoor : 2 x 1.6 mm
Connector type	SC
Fiber type	SM
Polishing	UPC
Housing color	Blue
Insertion loss ^{*3}	≤0.4 dB
Return loss ^{*3}	≥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 ^{*A}	ST-SF-SM-09	FC-SF-SM-09
	APC	SC-SF-APC-09	LC-SF-APC-09 ^{*B}	-	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 ^{*C}	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 ^{*D}	LC-QA-SM-20 ^{*F}	ST-SF-SM-20	-
	APC	SC-QA-APC-20 ^{*E}	LC-QA-APC-20 ^{*G}	-	-
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 ^{*H}	-	-	FC-SF-SM-20/30
	APC	SC-SF-APC-20/30 ^{*J}	-	-	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

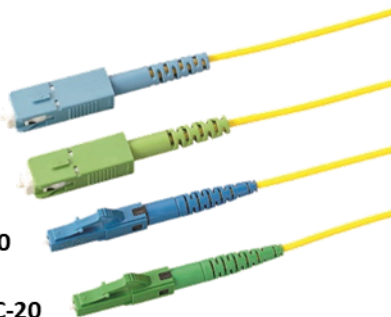
• QA type : xx-**QA**-xxx-xx

*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 ^{*K}	-	-	-

3-(2) Indoor cable (1.6x2mm)

Fiber	Polishing	SC	LC	ST	FC
SM	SPC	SC-LFC ^{*L}	-	-	-

*K : SC-DC



*L : SC-LFC

