

FuseConnect™ Series



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 900 µm coated fiber, 2 mm / 3 mm cord and rectangle shaped drop/indoor cable

Specifications

1) 0.9 mm Fiber

Applicable Fiber	0.9 mm fiber (850–950 µm)		
Connector	SC, LC, ST, FC		
Fiber	SM	MM (OM1, OM2, OM3)	
Polishing	UPC	APC	PC
Housing Color	Blue	Green	OM1: Beige, OM2: Black, OM3: Aqua
Insertion Loss	≤ 0.4 dB		
Return Loss	≥ 50 dB	≥ 60 dB	-

2) 2 mm / 3 mm Code

Applicable Fiber/Cable	Ø 2 mm (Inside 0.9 mm fiber), Ø 3 mm (Inside 0.9 mm fiber) or both use		
Connector	SC, LC, ST, FC		
Fiber	SM	MM (OM1, OM2, OM3)	
Polishing	UPC	APC	PC
Housing Color	Blue	Green	OM1: Beige, OM2: Black, OM3: Aqua
Insertion Loss	≤ 0.4 dB		
Return Loss	≥ 50 dB	≥ 60 dB	-

3) Rectangular Shaped Cable

Applicable Fiber/Cable	Outdoor (3.1 x 2 mm) or Indoor (2 x 1.6 mm)	
Connector	SC	
Fiber	SM	
Polishing	UPC	APC
Housing Color	Blue	Green
Insertion Loss	≤ 0.4 dB	
Return Loss	≥ 50 dB	≥ 60 dB



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Ordering Information / Product Image (After assembly)

1) 0.9 mm 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) 2 mm 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) 3 mm 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-GI6-30	-
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 2 mm and 3 mm 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

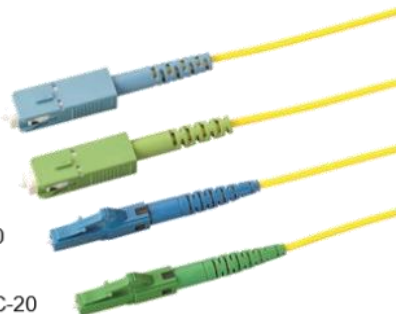
•SF type : xx-SF-xxx-xx

*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



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3-1) Rectangular Shaped Cable: Outdoor (3.1 x 2 mm)

Fiber	Polishing	SC	LC	ST	FC
SM	UPC	SC-DC (*K)	-	-	-
	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 (*L)	-	-	-

*K : SC-DC



*L : SC-LFC



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