

FC Connectors

Product Facts

- One-piece connector body:
 - Fastest assembly
- Compliant with:
 - JIS C-5970
- Pre-radiused ferrule

Instruction Sheet — 408-8674
<http://www.tycoelectronics.com/documents>



Singlemode FC Connector Kits - Polymer Crimp Body

Performance Characteristics

Insertion Loss — <0.2 dB Typical

Return Loss — <-59 dB Typical

Durability — 200 Cycles

Singlemode FC Connector Kits — Polymer Crimp Body

Boot Color	Used With	Individual Pack Part Number	Bulk Pack Part Number	Crimp Tool
Blue	3.0 mm Jacketed	5504649-1	5504649-8	503911-1
	2.4 mm Jacketed	5504914-2	—	492026-1
	2.0 mm Jacketed	5504915-2	—	492026-1
	900 µm Buffer	—	5492052-5	N/A

GR-326 Style FC Connector Kits - Metal Crimp Body Singlemode

Performance Characteristics

Insertion Loss — <0.2 dB Typical

Return Loss — <-59 dB Typical

Tested to GR-326

Tuning — 6 position

GR-326 Style Singlemode FC Connector Kits — Metal Crimp Body

Boot Color	Used With	Individual Pack Part Number	Bulk Pack Part Number	Crimp Tool
Blue	3.0 mm Jacketed	4-1918962-2	—	(1) 492131-1 (1) 58532-1
	2.4 mm Jacketed	6754264-5	6754264-6	1588176-1
	2.0 mm Jacketed	6754264-4	6754264-7	1588176-1
	900 µm Buffer	6754264-2	—	1588176-1



3.0 mm - GR-326 Style



3.0 mm Angled



900 µm Short



900 µm



GR-326 Style 900 µm

FC Strain Reliefs — Jacketed Cable

Description	GR-326 Style	Part Number			
		Color			
		Black	Red	Beige	Blue
3.0 mm	No	1-5503971-0	1-5503971-1	5503971-1	5503971-2
2.4 mm	No	1-5503971-2	1-5503971-3	5503971-3	5503971-4
2.0 mm	No	2-5503971-3	2-5503971-7	5503971-5	5503971-6
3.0 mm	Yes	—	—	—	1588491-2
1.6 mm - 2.4 mm	Yes	1588153-3	—	1588153-5	1588153-2

FC Strain Reliefs — Angled

Description		Part Number		
		Color		
		Black	Beige	Blue
3.0 mm	Simplex	1278705-3	1278705-2	1278705-1
2.0 mm	Simplex	1374737-3	1374737-2	1374737-1
2.0 mm	45° Simplex	6457543-4	6457543-1	6457543-2

FC Strain Reliefs — 900 micron

Description		Part Number		
		Color		
		Black	Beige	Blue
Long (33 mm) 900 µm		6457493-3	6457493-9	6457493-1
Short (10 mm) 900 µm		6278309-1	—	6278309-2
GR-326 Style 900 µm		1828184-2	1828184-4	1828184-1

Note: All part numbers are RoHS compliant.

FC Connectors (Continued)

FC Connector Component Selection Chart (bulk packaged)

Fiber Type	Simplex Connector Sub-Assembly	Cable Size	Crimp Eyelet w/ Heat Shrink	Crimp Eyelet	Strain Relief Part Number*
Singlemode - GR-326 Style	6754264-8	1.6-2.0 mm	6374150-1	—	1588153-X
		2.4 mm	6588189-1	—	1588153-X
	6457216-5	3.0 mm	—	504973-3	1588491-X
Singlemode Polymer Crimp Body	5504649-9	2.4 mm	—	503970-6	5503971-X
		3.0 mm	—	503970-3	5503971-X
		900 µm	—	—	6457493-X (long) 6278309-X (short)
Multimode - Ceramic Ferrule	6374778-2	1.6-2.0 mm	6374150-1	—	1588153-X
		2.4 mm	6588189-1	—	1588153-X
	5504922-3	3.0 mm	—	503970-3	5503971-2
		900 µm	—	—	6457493-9 (long) 6278309-1 (short)

* Strain relief dash number indicates color - see page 64 for details.

FC Adapters



FC Square Flange Adapter

FC Simplex Square Flange Adapter - Metal

Alignment Sleeve Material	Panel Cut-out	Keyway Slot (Nom.)	Part Numbers
Metal	Square Flange	Std. 2.33 mm	5501506-2
Ceramic	Square Flange	Std. 2.33 mm	5501506-1



FC 8 mm/9 mm Dia. Round

FC Simplex 8 mm/9 mm Dia. Round (D-Hole) Adapter - Metal

Alignment Sleeve Material	Panel Cut-out	Keyway Slot (Nom.)	Part Numbers
Metal (Copper)	D-Hole	Std. 2.33 mm	5504407-1
Ceramic	D-Hole	Std. 2.33 mm	5504407-3
Ceramic/APC	D-Hole	2.05 mm Type R	5504407-8
Ceramic/APC	D-Hole	Prec. 2.02 mm	5504407-7



FC 8 mm Dia. Round (Double D)

FC Simplex 8 mm Dia. Round (Double D-Hole) Adapter - Metal

Alignment Sleeve Material	Panel Cut-out	Keyway Slot (Nom.)	Part Numbers
Metal	Double D-Hole	Std. 2.33 mm	5504013-1

Note: All part numbers are RoHS compliant.

FC Connectors (Continued)

Hybrid Adapters - SC/FC/ST



FC to ST Simplex Adapter - Metal

Hybrid FC to ST Simplex Adapter - Metal

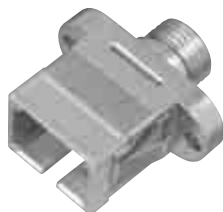
Alignment Sleeve Material	Housing Color	Part Numbers
Metal	Electroless Nickel	5503640-1
Ceramic	Electroless Nickel	5503640-2



SC to FC Simplex Adapter - Plastic

SC to FC Simplex Adapter - Plastic

Alignment Sleeve Material	Housing Color	Part Numbers
Metal	Black	5502871-1
Ceramic	Blue	5502871-4



SC to FC Simplex Adapter - Metal

SC to FC Simplex Adapter - Metal

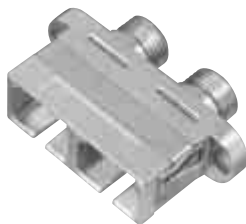
Alignment Sleeve Material	Housing Color	Part Numbers
Metal	Electroless Nickel	6278349-1
Ceramic	Electroless Nickel	6278349-3



Flangeless SC to FC Simplex Adapter - Metal

Flangeless Simplex Adapter - Metal

Alignment Sleeve Material	Housing Color	Part Numbers
Metal	Electroless Nickel	6278349-5
Ceramic	Electroless Nickel	6278349-7



SC to FC Duplex Adapter - Metal

SC to FC Duplex Adapter - Metal

Alignment Sleeve Material	Housing Color	Part Numbers
Metal	Electroless Nickel	6278050-1
Ceramic	Electroless Nickel	6278050-3

Note: All part numbers are RoHS compliant.