



Fibre Couplers allow connections at each end and are typically used in patch panels, wall boxes and surface boxes. Applications include enterprise, data centre, LAN, FTTx and Telecom. Available as LC, SC, ST and FC versions in multimode, singlemode and APC versions. LC and SC couplers are colour coded to define the fibre type with singlemode in blue, multimode OM3 or OM4 Aqua and OM4 in Heather Violet. APC connectors are green.

LC duplex couplers fit an SC simplex footprint and Quad LC couplers fit an SC duplex footprint for high density applications allowing up to 96 ports in a 1U patch panel when using 24 x quad LC couplers.

LC and SC couplers have flanges to allow them to be panel mounted with screws or clips for fast panel mounting where screw fixing is not required. (Screws sold separately). ST and FC connectors have a metal body and would be panel mounted via supplied nuts and washers into a D shape cut out which prevents the couplers from rotating. High performance ceramic sleeves are used with singlemode couplers and phosphor bronze with multimode. Couplers are protected by dust caps.

Features & Benefits:

- LC, SC, ST, FC and APC versions.
- LC in duplex and high-density quad versions.
- Colour coded to define fibre type.
- Dust cap protection.
- High performance sleeves
- LC & SC panel mountable with screws or clips.
- Suitable for 500 mating cycles.
- Meets required IEC/TIA standards

Characteristic	Singlemode	Multimode
Typical Insertion Loss	0.20dB	0.30dB
Humidity Cycling	75C RH 95%	75C RH 95%
Vibration	10 – 55 hz (3 axis)	10 – 55 hz (3 axis)
Durability	500 Mating Cycles	500 Mating Cycles

Product Part Numbers:

Type	Mode	Description	Colour	Part Number
LC Couplers	Multimode	LC Duplex Multimode	Beige	FCOU-1101
		LC Duplex Multimode OM3 or OM4	Aqua	FCOU-1114
		LC Duplex Multimode OM4	Heather Violet	FCOU-1125
		LC Quad Multimode	Beige	FCOU-1132
		LC Quad Multimode OM3 or OM4	Aqua	FCOU-1143
		LC Quad Multimode OM4	Heather Violet	FCOU-1155
	Singlemode	LC Duplex Singlemode	Blue	FCOU-1163
		LC Duplex APC Singlemode	Green	FCOU-1176
		LC Quad Singlemode	Blue	FCOU-1187
		LC Quad APC Singlemode	Green	FCOU-1198
SC Couplers	Multimode	SC Duplex Multimode	Beige	FCOU-2202
		SC Duplex Multimode OM3 or OM4	Aqua	FCOU-2215
		SC Simplex Multimode	Beige	FCOU-2226
	Singlemode	SC Duplex Singlemode	Blue	FCOU-2234
		SC Duplex APC Singlemode	Green	FCOU-2245
		SC Simplex Singlemode	Blue	FCOU-2251
		SC Simplex APC Singlemode	Green	FCOU-2269
ST Couplers	Multimode	ST Simplex Multimode	Metal Body	FCOU-3332
	Singlemode	ST Simplex Singlemode	Metal Body	FCOU-3341
FC Couplers	Multimode	FC Simplex Multimode	Metal Body	FCOU-4445
	Singlemode	FC Simplex Singlemode	Metal Body	FCOU-4461
		FC Simplex APC Singlemode	Metal Body	FCOU-4470
Screws (SC/LC)		Screws for SC/LC Couplers 1000/Pack	Metal	FCOU-9999