LC Fast Connectors KW-02 — LC/APC & LC/UPC Field Assembly

The LC in fast-connector form — field assembly LC/APC and LC/UPC in drop-cable, general, round-cable and 0.9 mm versions.

LC's 1.25 mm ferrule and latched mini housing are what high-density panels and transceivers take — and until fast connectors, LC in the field meant a splicer and a pigtail. KW-02 puts the same pre-polished stub and V-groove joint into an LC body: strip and cleave with the jig's fixed length, insert, lock.



KW-02 — KW-02 LC/UPC fast connector parts with the length-setting jig

Key Features

- Our own KW-02 — The LC in fast-connector form
- Four builds for four cables: drop-cable type (44 mm), general type (45 mm), round-cable type (47 mm) and a 0.9 mm cable type (44 mm)
- Works with the length-setting jig — fixed strip length, coating peel and cover opening, the same routine as KW-01
- Insertion loss typical ≤0.3 dB (max ≤0.5 dB); return loss ≥50 dB UPC and ≥55 dB APC
- Private labeling made to your requirements — your labels, part numbers and barcodes on the bags, boxes and cartons

Specifications

Connector type	LC field assembly (fast) connector, mechanical splice, pre-polished
Variants	LC/APC (green) · LC/UPC (blue)
Versions	Drop-cable type 44 mm · general type 45 mm · round-cable type 47 mm · 0.9 mm cable type 44 mm
Fiber	Single-mode G.652D / G.657A
Applicable cable	Flat drop 2×3.0 mm; round Ø2.0 / Ø3.0 mm; 0.9 mm tight-buffered, by version
Ferrule	Zirconia ceramic, 1.25 mm
Insertion loss	Typical ≤0.3 dB, max ≤0.5 dB (1310 / 1550 nm)
Return loss	UPC ≥50 dB · APC ≥55 dB
Tensile strength	≥50 N (drop cable) · bare fiber fastening >5 N
Durability	500 matings, ΔIL ≤0.3 dB
Operating temperature	-40°C to +75°C
Assembly aid	Length-setting jig (fixed length, coating peel, cover opener)

Two Views



LC/APC version, exploded view



LC/APC components

In Use

Strip and cleave with the length-setting jig where the family uses one, terminate as the construction directs, and test. Order by polish (APC or UPC) and by the exact cable you are terminating — flat drop or round, with its size — and the connectors arrive matched to the job, in bulk or in your packaging.

Private Label & OEM

The K-CB550R is supplied in neutral, unbranded stock as standard. Private labeling is made to your requirements — labels with your logo, part numbers and barcodes on the inner boxes and outer cartons, so the goods arrive ready for your warehouse. Custom barcode & contract labeling is applied to every inner box and outer carton to your receiving specification.

In the Box

KW-02 fast connector ×1 (polish and version as ordered) · Length-setting jig available with the connectors.