# SC Fast Connectors KW-01 — SC/APC & SC/UPC Field Assembly

Field assembly SC connectors in APC and UPC — a whole family of housings from 45 to 60 mm, terminated with the length-setting jig in about a minute.

Inside each KW-01 sits a factory-polished fiber stub waiting in a precision V-groove with index-matching gel. The installer strips and cleaves the drop cable, slides it in until the ends meet, and locks the clamp. What changes across the family is the housing around that joint: short 45 mm bodies for tight closures, 60 mm bodies for gloved hands, nut-type tails that screw down on round cable, gland types, drawer types whose inner carrier slides out for assembly, and versions that take the flat drop cable horizontally or vertically.



KW-01 — KW-01 SC/APC fast connectors, green field assembly connectors for FTTH drop cable

### Key Features

- Our own KW-01 — Field assembly SC connectors in APC and UPC
- SC/APC in green for GPON and CATV drops, SC/UPC in blue for general single-mode work
- Pre-polished ceramic ferrule with a mechanical splice inside — strip, cleave, insert, lock; no epoxy, no polishing, no splicer
- Every version works with the length-setting jig: it fixes the strip length, peels the coating and opens the cover, so field results stop depending on the installer's hand
- Private labeling made to your requirements — your labels, part numbers and barcodes on the bags, boxes and cartons

## Specifications

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| **Connector type** | SC field assembly (fast) connector, mechanical splice, pre-polished |
| **Variants** | SC/APC (green) · SC/UPC (blue) |
| **Housing lengths** | 45 / 50 / 51 / 52 / 53 / 55 / 58 / 60 mm, by series |
| **Constructions** | Standard, nut type, gland type, drawer type; flat-drop entry horizontal or vertical by series |
| **Fiber** | Single-mode G.652D / G.657A |
| **Applicable cable** | Flat drop 2×3.0 mm and 1.6×2.0 mm; round Ø3.0 / Ø2.0 / Ø0.9 mm |
| **Ferrule** | Zirconia ceramic, 2.5 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 |
| **Re-termination** | Up to 10 assemblies |
| **Assembly aid** | Length-setting jig (fixed length, coating peel, cover opener) |

## Two Views



SC/APC — both tail versions



SC/UPC — blue housing version

## 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-01 fast connector ×1 (polish, housing and tail version as ordered) · Length-setting jig available with the connectors.