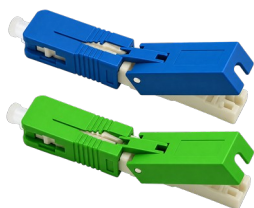


FIBER & ACCESS

Fiber Connector Catalog

Field termination. Cable fit. Program supply.

SC, LC and FC connectors for network installation, with mechanical, fusion splice-on and protected-interface configurations. Select the connection around your cable, equipment and field workflow.



CX-SC-G50 | SC field assembly



LC mechanical connector



Protected SC interface

Inside this catalog

- 02** Featured SC models: CX-SC-G50 and CPX-LX11-B
- 03** SC W, R, T and G configurations
- 04** Standard SC configurations
- 05** SC Drawer and Z configurations
- 06** LC and FC mechanical connectors
- 07** Fusion splice-on connectors
- 08** Mini-SC protected interfaces
- 09** Hardened SC protected interfaces
- 10** Factory-terminated options and program selection

For operators, deployment partners and OEM supply programs.

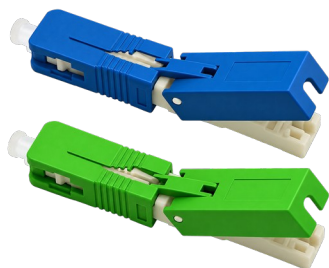
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FEATURED SC MODELS

Two Field-Assembly Options

Mechanical termination for FTTH flat drop cable. A factory pre-polished ferrule and mechanical fiber alignment support assembly without a fusion splicer.



CX-SC-G50 | UPC and APC



CPX-LX11-B | APC shown

Specification	CX-SC-G50	CPX-LX11-B
Interface / fiber	SC/UPC or SC/APC; singlemode	SC/UPC or SC/APC; singlemode
Body length	51 mm	50 mm
Flat drop cable	2 × 3 mm	2 × 3 mm or 2 × 5 mm
Insertion loss	Average ≤ 0.3 dB; max. ≤ 0.5 dB	Average ≤ 0.3 dB; max. ≤ 0.5 dB
Return loss, UPC	≥ 50 dB	≥ 45 dB
Return loss, APC	≥ 55 dB	≥ 50 dB
Mating durability	≥ 500 cycles	≥ 500 cycles
Operating temperature	-20 to +75 °C	-20 to +75 °C
Storage temperature	-40 to +85 °C	-40 to +85 °C
Typical termination time	≤ 2 minutes	≤ 2 minutes
Standard packaging	100 pieces; bag or blister box	100 pieces; bag or blister box

Termination time depends on cable preparation, tooling and installer technique. The optical and environmental values on this page apply to these two models only.

Choose the cable fit first

For outdoor use, install these standard SC connectors within a suitable protective enclosure. Confirm APC or UPC and the cable dimensions when requesting a quotation.

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SC MECHANICAL / W, R, T AND G

A Choice of Body Configurations

Choose the body length and cable-retention arrangement around the installation. APC and UPC variants are listed for every reference below.



LX-W01 | 60 mm



LX-R19 | 45 mm



LX-T18 | 58 mm

Configuration reference	Length	Configuration detail
LX-W01	60 mm	Horizontal flat-cable orientation
LX-W02	53 mm	Horizontal flat-cable orientation
LX-R03	53 mm	R-series configuration
LX-R04 / R05	50 mm	Two distinct R-series configurations
LX-R06	50 mm	Nut-type configuration
LX-R19	45 mm	Short R-series body
LX-R20	51 mm	R-series configuration
LX-R21	53 mm	R-series configuration
LX-T13	53 mm	Cover-clamp configuration
LX-T18	58 mm	Nut-type configuration
LX-G55	55 mm	G-series configuration
LX-G56	50 mm	G-series configuration

Specify the preparation method

Confirm the cable version and matched length-setting tool for the selected reference. Similar body dimensions do not establish that preparation lengths or assembly steps are identical.

Configuration references identify the illustrated range. Final ordering configuration, cable fit and required optical performance are confirmed with the quotation.

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SC MECHANICAL / STANDARD CONFIGURATIONS

Match the Flat-Cable Orientation

Horizontal and vertical cable positions are identified where specified. Each reference is offered in APC and UPC versions; select the exact body and cable arrangement.



LX-01-A | horizontal



LX-01-B | vertical



LX-11-A | 53 mm

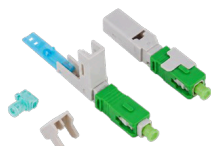
Configuration reference	Length	Configuration detail
LX-01-A	60 mm	Horizontal flat-cable orientation
LX-01-B	60 mm	Vertical flat-cable orientation
LX-01-C	55 mm	Vertical flat-cable orientation
LX-02-A	53 mm	Horizontal flat-cable orientation
LX-02-B	53 mm	Vertical flat-cable orientation
LX-04-A	50 mm	Horizontal flat-cable orientation
LX-04-B	50 mm	Vertical flat-cable orientation
LX-07-A	50 mm	Standard SC configuration
LX-09-A / 09-B	52 mm	Two distinct SC configurations
LX-10	50 mm	Standard SC configuration
LX-11-A	53 mm	Standard SC configuration
LX-11-B	50 mm	See CPX-LX11-B specifications on page 2
LX-14	52 mm	Standard SC configuration

Length is the stated connector body length. Where cable dimensions are not listed, supply the cable specification with the reference so the correct variant can be selected.

SC MECHANICAL / DRAWER AND Z

Additional SC Assembly Formats

Drawer and Z configurations extend the selection of SC bodies and assembly arrangements. APC and UPC options are listed throughout these groups.



LX-DR12-A | 52 mm



LX-DR15 | 52 mm



LX-Z31 | 53 mm

Configuration reference	Length	Family
LX-DR12-A	52 mm	Drawer
LX-DR12-B	52 mm	Drawer
LX-DR15	52 mm	Drawer
LX-DR16	52 mm	Drawer
LX-DR17	52 mm	Drawer
LX-Z31	53 mm	Z
LX-Z32	53 mm	Z
LX-Z33	53 mm	Z
LX-Z34	53 mm	Z
LX-Z35	53 mm	Z
LX-Z36	53 mm	Z

Keep a consistent field workflow

Agree the connector configuration, preparation tool and installation instructions for the program. Use the same reference in sample evaluation, packaging and repeat orders.

The family name describes the product range, not an optical performance grade. Specify insertion loss, return loss and environmental requirements for the selected configuration.

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LC AND FC MECHANICAL

Connect to the Required Interface

LC and FC versions provide alternative interfaces where the equipment or panel calls for them. Select the cable or buffered-fiber version before confirming the model.



LX-LC-A | drop cable



LX-LC-E | round cable



LX-FC | clamp design

Configuration reference	Length	Cable / construction
LX-LC-A	44 mm	LC drop-cable version
LX-LC-D	45 mm	LC general configuration; cable fit to be specified
LX-LC-E	47 mm	LC round-cable version
LX-LC-F	44 mm	LC 0.9 mm version
LX-FC	55 mm	FC mechanical clamp design

APC and UPC versions are listed for all five references. The 0.9 mm designation describes the fiber/cable version, not the connector body length.

Select the interface and the cable together

Provide the mating connector type, required polish and the actual cable or buffered-fiber dimensions. This keeps the mechanical fit and optical interface aligned with the installation.

Preparation tools

Model-specific length-setting and fiber-preparation tools are shown for the LC range. Confirm which tools are included or ordered separately for the selected program.

FUSION SPLICE-ON

For a Fusion-Splicing Workflow

SC, LC and FC splice-on options support a different termination method from the mechanical connectors on earlier pages. Select the connector, holder and splice-protection arrangement together.



RS58 | SC splice-on



RL09 | LC splice-on



FC | splice-on

Configuration reference	Interface	Stated dimension / version
RS58	SC	58 mm connector length
RS09	SC	0.9 mm version
RL09	LC	0.9 mm version
FC splice-on	FC	55 mm connector length

APC and UPC options are listed for each configuration. For RS09 and RL09, 0.9 mm identifies the version; it is not a connector-length specification.

Plan the complete assembly

Confirm the splice-on connector version, fiber dimensions, fusion-splicer holder and splice protection required for the installation. Mechanical and splice-on versions use different field procedures.

Protected splice-on options

Mini-SC and hardened SC housings are also shown with fusion splice-on internals. Their cable options are listed on pages 8 and 9; the terminal interface must be matched separately.

PROTECTED INTERFACES / MINI-SC

Mini-SC Field Termination

Protected connector housings combine an optical connection with cable-entry and closure components. Match the housing to the terminal interface and select the seal for the cable.



Mini-SC L02



Mini-SC L09



Mini-SC splice-on

Configuration reference	Termination	Cable sizes listed (mm)
Mini-SC L02	Mechanical	Round: 2.0, 3.0, 5.0 Flat: 2 × 1.6, 2 × 3, 2 × 5
Mini-SC L04	Mechanical	Round: 2.0, 3.0, 5.0 Flat: 2 × 1.6, 2 × 3, 2 × 5
Mini-SC L09	Mechanical	Flat: 2 × 1.6, 2 × 3, 2 × 5
Mini-SC L21	Mechanical	Round: 2.0, 3.0, 5.0 Flat: 2 × 1.6, 2 × 3, 2 × 5
Mini-SC G55	Mechanical	Round: 5.0
Mini-SC splice-on	Fusion	Round: 2.0, 3.0, 5.0 Flat: 2 × 1.6, 2 × 3, 2 × 5

APC and UPC options are listed for these configurations. Cable sizes describe available variants; they do not mean one seal accepts every listed size.

Confirm the terminal connection

Share the mating-port drawing or a clear interface photograph, cable dimensions and environmental requirements. Ingress-protection and mechanical ratings must be established for the selected assembly.

PROTECTED INTERFACES / HARDENED SC

Hardened SC Field Termination

An additional protected SC housing family for terminal connections. Select it by the actual mating geometry, termination method and cable-entry requirements.



Hardened SC L02



Hardened SC L09



Hardened SC splice-on

Configuration reference	Termination	Cable sizes listed (mm)
Hardened SC L02	Mechanical	Round: 2.0, 3.0, 5.0 Flat: 2 × 1.6, 2 × 3, 2 × 5
Hardened SC L04	Mechanical	Round: 2.0, 3.0, 5.0 Flat: 2 × 1.6, 2 × 3, 2 × 5
Hardened SC L09	Mechanical	Flat: 2 × 1.6, 2 × 3, 2 × 5
Hardened SC L21	Mechanical	Round: 2.0, 3.0, 5.0 Flat: 2 × 1.6, 2 × 3, 2 × 5
Hardened SC G55	Mechanical	Round: 5.0
Hardened SC splice-on	Fusion	Round: 2.0, 3.0, 5.0 Flat: 2 × 1.6, 2 × 3, 2 × 5

APC and UPC options are listed. "Hardened SC" is the family description used in this catalog; it is not a statement of compatibility with every protected SC terminal.

Order by the confirmed assembly

Identify the terminal interface and selected cable seal in the quotation and sample review. Confirm optical, sealing and mechanical requirements for that configuration before release.

PROGRAM SELECTION

From Connector to Supply Program

Use a selected configuration for recurring installations or build a labeled and packaged offering for your brand. Start with the interface and cable, then define the supply format.



Factory-terminated Mini-SC



90 mm ceramic mechanical splice



3-in-1 SC assembly

Additional option	Stated configuration
Factory-terminated Mini-SC	2 × 3 mm or 2 × 5 mm flat cable
Factory-terminated hardened SC	2 × 3 mm or 2 × 5 mm flat cable
3-in-1 SC assembly	APC and UPC versions; interface and cable fit to be specified
Mechanical splice	90 mm; ceramic and metal versions

What to send with your inquiry

Connector reference or interface drawing • APC or UPC • cable dimensions • mechanical or fusion-splice workflow • required performance and environment • evaluation and recurring quantities.

OEM and private-label requirements

Discuss identification, packaging quantities, installation literature and brand presentation. Agree the final configuration and acceptance requirements so repeat orders remain consistent.

Discuss your connector program

Share the cable specification and mating-interface details to begin configuration selection.

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Dimensions and configuration details are provided for selection. Confirm the final ordering specification, required tests and supply terms in the quotation. September 2026 edition.

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