

UniCam® Connector, SC

CORNING

Corning® UniCam® SC connectors offer optical performance in a fast, easy field-termination solution ideal for fiber-to-the-workstation applications where setup and teardown time is critical. The high-precision mechanical splice technology enables fiber optic networks to be installed quickly and cost effectively. Installation of an LC, SC or ST® compatible connector can be accomplished in about 50 seconds to one minute with the UniCam High-Performance Tool Kit.

The lightweight, handheld installation tool and high-performance precision cleaver virtually eliminate human variability during installation, ensuring terminations are right the first time, every time. This kit was designed with consideration for network installers, from the cleaver, with its intuitive, hand-held precision design and dual-clamp precision hold, to the installation tool, with its immediate go/no-go feedback signal indicating proper mating of the field fiber to the fiber stub. Installation is as easy as strip, clean, cleave, cam and crimp, with exceptional optical performance assured. Every UniCam® connector is assured to meet the published specification at the time of installation or Corning will replace it.

Features and Benefits

Performance guaranteed

100 percent yield guarantee

Broad operating temperature range (-40°C to +75°C)

Utility and flexibility

Factory-polished end face

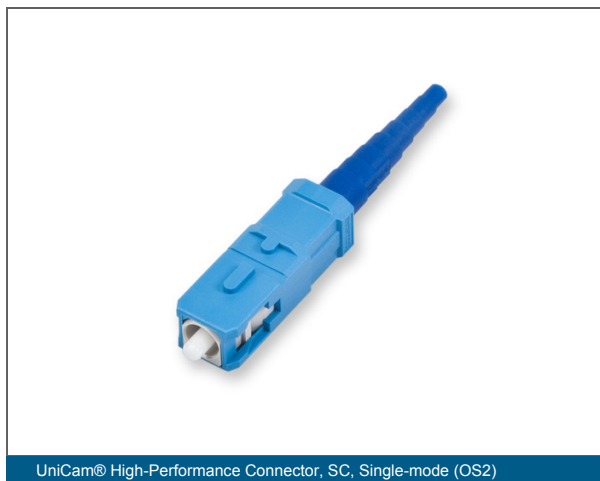
Consistent optical performance

Fast termination and no consumables

Low installation cost

Minimum insertion loss

Optimum optical performance



UniCam® High-Performance Connector, SC, Single-mode (OS2)



UniCam® High-Performance Connector, SC, 50 µm multimode (OM2)

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UniCam® High-Performance Connector, SC APC, Single-mode (OS2)

Standards

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Approvals and Listings	Passed EIA/TIA 568-B.3

Specifications

General Specifications

Keyed (security)	No
Product Type	Field-Installable Connectors
Technology	No-Epoxy/No-Polish

Environmental Conditions

Temperature Range, Operation	-40 °C - 75 °C (-40 °F - 167 °F)
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Design Connector				
Part Number	Connector Type	Ferrule Material	Boot Color	Housing Color
95-000-40	SC	Ceramic	Beige	Beige
95-000-40-Z	SC	Ceramic	Beige	Beige
95-000-41	SC	Ceramic	Beige	Beige
95-000-41-Z	SC	Ceramic	Beige	Beige
95-050-40	SC	Ceramic	Black	Black
95-050-40-Z	SC	Ceramic	Black	Black
95-050-41	SC	Ceramic	Black	Black
95-050-41-X	SC	Ceramic	Aqua	Black
95-050-41-X-Z	SC	Ceramic	Aqua	Black
95-050-41-Z	SC	Ceramic	Black	Black
95-200-41	SC		Blue	Blue
95-200-41-Z	SC	Ceramic	Blue	Blue
95-200-44	SC		Green	Green
95-200-44-Z	SC		Green	Green

Optical Specifications Connector					
Part Number	Fiber Category	Polish	Insertion Loss, Typical	Insertion Loss, Max.	Reflectance
95-050-40	50 µm MM (OM2)		0.3 dB	0.75 dB	
95-050-40-Z	50 µm MM (OM2)		0.3 dB	0.75 dB	
95-050-41	50 µm MM (OM2)		0.1 dB	0.5 dB	
95-050-41-Z	50 µm MM (OM2)		0.1 dB	0.5 dB	
95-050-41-X	50 µm MM (OM3/OM4)		0.1 dB	0.5 dB	
95-050-41-X-Z	50 µm MM (OM3/OM4)		0.1 dB	0.5 dB	
95-000-40	62.5 µm MM (OM1)		0.3 dB	0.75 dB	
95-000-40-Z	62.5 µm MM (OM1)		0.3 dB	0.75 dB	
95-000-41	62.5 µm MM (OM1)		0.1 dB	0.5 dB	

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Optical Specifications Connector

Part Number	Fiber Category	Polish	Insertion Loss, Typical	Insertion Loss, Max.	Reflectance
95-000-41-Z	62.5 µm MM (OM1)		0.1 dB	0.5 dB	
95-200-41	Single-mode (OS2)	UPC	0.2 dB	0.5 dB	< -55 dB
95-200-41-Z	Single-mode (OS2)	UPC	0.2 dB	0.5 dB	< -55 dB
95-200-44	Single-mode (OS2)	APC	0.4 dB	0.75 dB	
95-200-44-Z	Single-mode (OS2)	APC	0.4 dB	0.75 dB	

Mechanical Specifications - Connector

Durability	≤ 0.2 dB change, 500 rematings, FOTP-21
Nominal Fiber Outer Diameter	125 µm
Tensile Strength 900 µm Cable	4.9 N (1.1 lb) change ≤ 0.2 dB, FOTP-6



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