

UniCam® Connector, SC

50 µm multimode (OM2)

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Corning UniCam® high-performance connectors offer best-in-class optical performance in a fast, easy field-termination solution. These high-precision zirconia ceramic ferrule connectors assured exceptional insertion loss – 0.1 dB typical/0.5 dB maximum per connector pair for multimode, 0.2 dB typical/0.5 dB maximum per connector pair for single-mode. 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, hand-held 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 (-40° 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

Standards

Approval and Listings

Passed EIA/TIA 568-B.3

Intermateability

Connectors are FOCIS compliant with TIA/EIA 604-10A and IEC61754-20

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Specifications

General Specifications	
Product Type	Field-Installable Connectors
Technology	No-Epoxy/No-Polish
Keyed	No
Corning Logo	Yes
Packaging	Single Pack
Fiber Category	50 µm MM (OM2)

Temperature Range	
Operation	-40 °C to 75 °C exceeding EIA/TIA 568-B.3 (-40 °F to 167 °F exceeding EIA/TIA 568-B.3)

Design - Connector	
Connector Type	SC
Ferrule Material	Ceramic
Housing Material	Composite
Housing Color	Black
Boot Color	Black

Mechanical Specifications - Connector	
Durability	≤ 0.2 dB change by 500 rematings, FOTP-21
Temperature Cycling	≤ 0.3 dB IL, -40° to +75°C, 21 cycles
Nominal Fiber Outer Diameter	125 µm
Tensile Strength Jacketed Cable	50 N, change ≤ 0.2 dB, FOTP-6 (11 lb, change ≤ 0.2 dB, FOTP-6)
Tensile Strength 900 µm Cable	4.9 N, change ≤ 0.2 dB, FOTP-6 (1.1 lb, change ≤ 0.2 dB, FOTP-6)

Optical Specifications - Connector	
Insertion Loss, Typical	0.1 dB
Insertion Loss, Maximum	0.5 dB
Reflectance	≤ -26 dB

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Chemical Characteristics

RoHS

Free of hazardous substances according to RoHS 2002/95/EG

Ordering Information

Part Number

95-050-41

Product Description

UniCam® High-Performance Connector, SC, 50 µm multimode (OM2), ceramic ferrule, logo, single pack, black housing, black boot

EAN Code

4042673248453

Shipping Information

Units per Delivery

1/1

Package Contents

Connector, shroud, crimp band, boot (900 µm), boot (3.0 mm)



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