

UniCam® Connector, SC

50 µm multimode (OM2)

CORNING

Corning UniCam® SC connectors offer optical performance in a fast, easy field-termination solution ideal for fibre-to-the-workstation applications where setup and teardown time is critical. The high-precision mechanical splice technology enables fibre 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 fibre to the fibre 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.

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.

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Features and Benefits

Performance guarantee

100 percent yield guarantee



Part Number: 95-050-41

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Features and Benefits

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

Specifications

General Specifications

Product Type	Field-Installable Connectors
Technology	No-Epoxy/No-Polish
Keyed	No
Corning Logo	Yes
Packaging	Single Pack
Fibre 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)
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Design - Connector

Connector Type	SC
Ferrule Material	Ceramic
Housing Material	Composite

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Design - Connector

Housing Colour	Black
Boot Colour	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 fibre 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

Chemical characteristics

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