# NO POLISH TYPE FIELD INSTALLABLE CONNECTORS



Applicable cable type:
2.0mm or 3.0mm round cable
1.6mm x 2.0mm or 2.0mm x 3.0mm flat cable



Applicable cable type:
0.9mm round cable

## FEATURES

**Precise Fiber Alignment achieved by In-Ferrule Fiber Interconnection**
The embedded fiber and the inserted fiber are mated inside the ceramic ferrule of field installable connector, with an accuracy of 1.0μm. The C-slot design realizes a very precise fiber alignment, and has strong adaptability for different outer diameter of embedded fiber and inserted fiber.

**Exceptional Environmental & Mechanical Properties**
Traditional field installable connectors use plastic V-groove as the vehicle for interconnecting two fibers. Our FICs use ceramic ferrule, whose the material has excellent compatibility with glass fiber and low thermal expansion coefficient, over a wide operating range (-40°C to 85°C). Compared with plastic, ceramic is more rigid, has stronger mechanical strength, and will not deform.

**Matching Gel will not be Contaminated or Evaporate**
Since the interconnection of two fibers is realized inside the ceramic ferrule, there is no risk of contamination or evaporation of matching gel.

**Fast & Simple Assembly Procedure**
Our field installable connectors are easy to be assembled by using a dedicated tool. Besides, the fiber insertion is very smooth, since the ferrule's entry funnel will guide the fiber move forward easily.

## SPECIFICAITONS

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|---|---|
| Applicable connector types | SC |
| Polished types | APC, PC |
| Applicable fiber types | Single mode, Multimode |
| Applicable cable types | 0.9mm, 2mm or 3mm round cable |
| | 2mm x 3mm or 1.6mm x 2mm flat cable |
| Optical performance | APC: Insertion loss ≤0.4dB, Return loss ≥55dB |
| | PC: Insertion loss ≤0.4dB, Return loss ≥40dB |
| | Multimode: Insertion loss ≤0.2dB, Return loss ≥25dB |

## MECHANICAL AND ENVIRONMENTAL PROPERTIES

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|---|---|
| Assembly repeatability | ≥5 times |
| Average assembly time | ≤3 minutes |
| Life time | 30 years |
| Tensile strength | 30N for 2.0mm round cable |
| | 50N for 3.0mm round cable |
| | 50N for 2mm x 3mm or 1.6mm x 2mm flat cable |
| Operation temperature | -40°C to 85°C |