



CORNING

No Polish Connectors (NPC)





# Corning Fibre Connectors

## Bringing the World's Networks Together

From fibre to passive optical LAN to wireless solutions, we're helping increase the speed of connections, while making sure networks stay up and running around the clock and around the globe.

The world's growing digital economy moves at the speed of information. Corning fibre interconnect solutions let our customers take the lead with scalable options to help optimise speed, size, and interconnectivity for growing networks. Rely on our expertise to help optimise your existing network infrastructure and lay the foundation for future evolutions.

For more information about Corning fibre connectors, please visit [corning.com/opcomm/emea](https://www.corning.com/opcomm/emea)

# No Polish Connectors (NPC)

Corning No Polish Connectors help enable fast, on-site installation of 250 µm and 900 µm single-mode and multimode fibre and 1.6 to 3.0 mm jacketed cables. With a factory-polished ferrule assembly and a mechanical splice, the connector can be quickly installed – without electrical power – using a simple field tool that is included in every box of 60 connectors (when required). For excellent mechanical performance, the NPC has internal gripping elements for the strain-relief of the fibre.

The 250/900 µm SC and LC NPCs utilise a one-piece, preassembled design that eliminates field polishing and loose parts. The SC and LC NPCs for jacketed cable can be installed without an assembly tool. A twist-on boot clamps onto the cable jacket and aramid fibre to provide excellent strain-relief.

The splice in the connector can be opened and re-terminated with a cap lifter. The assembly tool and cap lifter are included in every box of 60 connectors (when required).

## Features and Benefits

| No Polish Connectors                                    |   |
|---|---|
| Field termination                                       | Right cable length with no cable slack to store   |
| Simple assembly tool                                    | Fast, easy installation   |
| 250/900 µm connectors and jacketed connectors available | Potentially improve supply chain and inventory management   |
| Factory-polished fibre stub in ferrule                  | No on-site polish or adhesives required   |
| No tool investment                                      | Enables maximum deployment speed by eliminating the purchase of installation tools and fibre cleavers (Easy Cleaver combos) |

## No Polish Connector (NPC) Specifications

| Specifications  | NPC Single-Mode UPC     | NPC Single-Mode APC | NPC Multimode |       |
|---|-------------------------|---------------------|---------------|-------|
| Insertion Loss Typical (dB)                               | 0.3                     | 0.3                 | 0.2           |       |
| Reflectance Typical at Room Temperature (dB)              | ≤ 40                    | ≤ 55                | OM1           | ≤ 25  |
|   |                         |                     | OM2/3/4       | ≤ 30  |
| Reflectance Maximum Over Operating Temperature Range (dB) | ≤ 35                    | ≤ 35                | OM1           | ≤ 25  |
|   |                         |                     | OM2/3/4       | ≤ 30  |
| Operating Temperature Range                               | -40°C to 75°C           | -40°C to 75°C       | -10°C to 60°C |       |
| Storage Temperature                                       | -40°C to 85°C           | -40°C to 85°C       | -40°C to 85°C |       |
| Connector Identification                                  | Blue                    | Green               | OM1           | Beige |
|   |                         |                     | OM2           | Black |
|   |                         |                     | OM3/4         | Aqua  |
| Field-Termination Kit (Optional)                          | 8865/8865-C/2559-C      |                     |               |       |
| Materials   |                         |                     |               |       |
| Connector Ferrule   | Zirconia Ceramic        |                     |               |       |
| Connector Housing and Body                                | Engineered Resin        |                     |               |       |
| Boot  | Thermoplastic Elastomer |                     |               |       |



Corning No Polish SC Connector Family

## No Polish Connector (NPC) Ordering Information

| Description  | Connector Type | Fibre Type  | Cable Type | Part Number | Packaging          | Easy Cleaver Included | Assembly Tool |
|--|----------------|-------------|------------|-------------|--------------------|-----------------------|---------------|
| <b>250/900 µm No Polish Connector (Needs Assembly Tool) Connector Packs</b>    |                |             |            |             |                    |                       |               |
| Single-Mode No Polish SC UPC Connector (8800)                                  | SC             | Single-Mode | 250/900 µm | 80611326226 | 60 connectors/pack | Not included          | 1 set         |
| Single-Mode No Polish SC APC Connector, Flat Splice (8800-APC/FS)              | SC APC         | Single-Mode | 250/900 µm | 80611326267 | 60 connectors/pack | Not included          | 1 set         |
| OM1 No Polish SC Connector (6800-62.5)   | SC             | OM1         | 250/900 µm | 80611326259 | 60 connectors/pack | Not included          | 1 set         |
| OM2 No Polish SC Connector (6800-50)   | SC             | OM2         | 250/900 µm | 80611326234 | 60 connectors/pack | Not included          | 1 set         |
| OM3/4 No Polish SC Connector [6800-50 Laser-Optimised Multimode Fibre (LOMMF)] | SC             | OM3/4       | 250/900 µm | 80611326242 | 60 connectors/pack | Not included          | 1 set         |
| Single-Mode No Polish LC UPC Connector (8830)                                  | LC             | Single-Mode | 250/900 µm | 80611327760 | 60 connectors/pack | Not included          | 1 set         |
| Single-Mode No Polish LC APC Connector, Flat Splice (8830-APC/FS)              | LC APC         | Single-Mode | 250/900 µm | 80611327786 | 60 connectors/pack | Not included          | 1 set         |
| OM1 No Polish LC Connector (6830-62.5)   | LC             | OM1         | 250/900 µm | 80611327752 | 60 connectors/pack | Not included          | 1 set         |
| OM2 No Polish LC Connector (6830-50)   | LC             | OM2         | 250/900 µm | 80611327737 | 60 connectors/pack | Not included          | 1 set         |
| OM3/4 No Polish LC Connector (6830-50 LOMMF)                                   | LC             | OM3/4       | 250/900 µm | 80611327745 | 60 connectors/pack | Not included          | 1 set         |
| Single-Mode No Polish ST <sup>®</sup> Connector, Flat Splice (8840)            | ST             | Single-Mode | 250/900 µm | 80611395171 | 60 connectors/pack | Not included          | 1 set         |
| OM1 No Polish ST Connector (6840-62.5)   | ST             | OM1         | 250/900 µm | 80611395130 | 60 connectors/pack | Not included          | 1 set         |
| OM2 No Polish ST Connector (6840-50)   | ST             | OM2         | 250/900 µm | 80611395114 | 60 connectors/pack | Not included          | 1 set         |
| OM3/4 No Polish ST Connector (6840-50 LOMMF)                                   | ST             | OM3/4       | 250/900 µm | 80611395122 | 60 connectors/pack | Not included          | 1 set         |





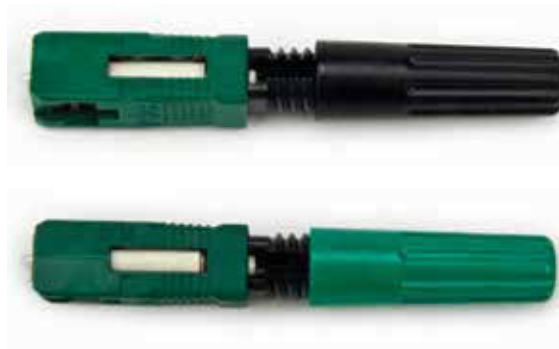
No Polish LC Connector Family



No Polish ST Connector Family

## No Polish Connector (NPC) Ordering Information

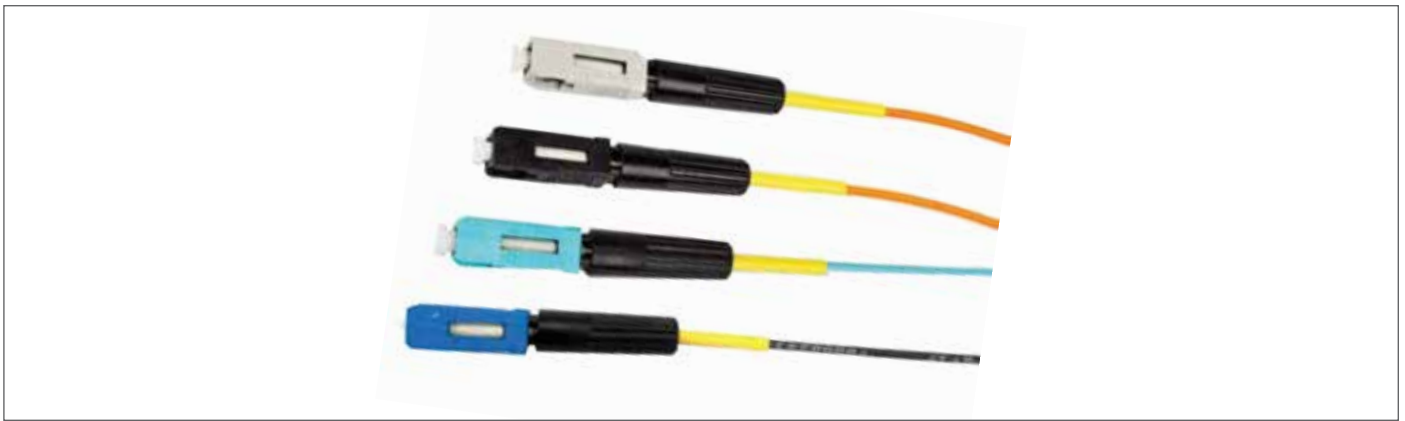
| Description   | Connector Type | Fibre Type  | Cable Type | Part Number | Packaging           | Easy Cleaver Included | Assembly Tool |
|---|----------------|-------------|------------|-------------|---------------------|-----------------------|---------------|
| <b>250/900 µm No Polish Connector (Needs Assembly Tool) – Connector Packs with Easy Cleaver</b> |                |             |            |             |                     |                       |               |
| Single-Mode No Polish SC UPC Connector (8800)   | SC             | Single-Mode | 250/900 µm | 80611494115 | 120 connectors/pack | 1 piece               | 1 set         |
| Single-Mode No Polish SC APC Connector, Flat Splice (8800-APC/FS)                               | SC APC         | Single-Mode | 250/900 µm | 80611494123 | 120 connectors/pack | 1 piece               | 1 set         |
| OM2 No Polish SC Connector (6800-50)  | SC             | OM2         | 250/900 µm | 80611494198 | 60 connectors/pack  | 1 piece               | 1 set         |
| OM3/4 No Polish SC Connector (6800-50 LOMMF)  | SC             | OM3/4       | 250/900 µm | 80611494206 | 60 connectors/pack  | 1 piece               | 1 set         |
| Single-Mode No Polish LC UPC Connector(8830)  | LC             | Single-Mode | 250/900 µm | 80611494156 | 120 connectors/pack | 1 piece               | 1 set         |
| Single-Mode No Polish LC APC Connector, Flat Splice (8830-APC/FS)                               | LC APC         | Single-Mode | 250/900 µm | 80611494164 | 120 connectors/pack | 1 piece               | 1 set         |
| OM2 No Polish LC Connector (6830-50)  | LC             | OM2         | 250/900 µm | 80611494255 | 60 connectors/pack  | 1 piece               | 1 set         |
| OM3/4 No Polish LC Connector (6830-50 LOMMF)  | LC             | OM3/4       | 250/900 µm | 80611494263 | 60 connectors/pack  | 1 piece               | 1 set         |
| Single-Mode No Polish ST® Connector, Flat Splice (8840)   | ST             | Single-Mode | 250/900 µm | 80611494180 | 120 connectors/pack | 1 piece               | 1 set         |
| OM1 No Polish ST Connector (6840-62.5)  | ST             | OM1         | 250/900 µm | 80611494339 | 60 connectors/pack  | 1 piece               | 1 set         |
| OM2 No Polish ST Connector (6840-50)  | ST             | OM2         | 250/900 µm | 80611494313 | 60 connectors/pack  | 1 piece               | 1 set         |
| OM3/4 No Polish ST Connector (6840-50 LOMMF)  | ST             | OM3/4       | 250/900 µm | 80611494321 | 60 connectors/pack  | 1 piece               | 1 set         |



No Polish SC APC Connector Flat and Angle Splice, 1.6-3 mm Jacket

## No Polish Connector (NPC) Ordering Information

| Description   | Connector Type | Fibre Type  | Cable Type | Part Number | Packaging          | Easy Cleaver Included | Assembly Tool |
|---|----------------|-------------|------------|-------------|--------------------|-----------------------|---------------|
| <b>Jacketed No Polish Connector (No Assembly Tool Needed) – Connector packs</b> |                |             |            |             |                    |                       |               |
| Single-Mode No Polish SC UPC Connector, Jacketed (8802)                         | SC             | Single-Mode | 1.6-3.0 mm | 80611335078 | 60 connectors/pack | Not included          | Not needed    |
| Single-Mode No Polish SC APC Connector, Flat Splice, Jacketed (8802-APC/FS)     | SC APC         | Single-Mode | 1.6-3.0 mm | 80611335094 | 60 connectors/pack | Not included          | Not needed    |
| OM1 No Polish SC Connector, Jacketed (6802-62.5)                                | SC             | OM1         | 1.6-3.0 mm | 80611398308 | 60 connectors/pack | Not included          | Not needed    |
| OM2 No Polish SC Connector, Jacketed (6802-50)                                  | SC             | OM2         | 1.6-3.0 mm | 80611398282 | 60 connectors/pack | Not included          | Not needed    |
| OM3/4 No Polish SC Connector, Jacketed (6802-50 LOMMF)                          | SC             | OM3/4       | 1.6-3.0 mm | 80611398290 | 60 connectors/pack | Not included          | Not needed    |
| Single-Mode No Polish LC UPC Connector, Jacketed (8832)                         | LC             | Single-Mode | 1.6-2.0 mm | 80611398399 | 60 connectors/pack | Not included          | Not needed    |
| OM1 No Polish LC Connector, Jacketed (6832-62.5)                                | LC             | OM1         | 1.6-2.0 mm | 80611398423 | 60 connectors/pack | Not included          | Not needed    |
| OM2 No Polish LC Connector, Jacketed (6832-50)                                  | LC             | OM2         | 1.6-2.0 mm | 80611398407 | 60 connectors/pack | Not included          | Not needed    |
| OM3/4 No Polish LC Connector, Jacketed (6832-50 LOMMF)                          | LC             | OM3/4       | 1.6-2.0 mm | 80611398415 | 60 connectors/pack | Not included          | Not needed    |



No Polish Jacketed SC UPC Connector Family

## No Polish Connector (NPC) Ordering Information

| Description  | Connector Type | Fibre Type  | Cable Type | Part Number | Packaging           | Easy Cleaver Included | Assembly Tool |
|--|----------------|-------------|------------|-------------|---------------------|-----------------------|---------------|
| <b>No Polish Connector, Jacketed (No Assembly Tool Needed) – Connector Packs with Easy Cleaver</b> |                |             |            |             |                     |                       |               |
| Single-Mode No Polish SC UPC Connector, Jacketed (8802)  | SC             | Single-Mode | 1.6-3.0 mm | 80611482250 | 120 connectors/pack | 1 piece               | Not needed    |
| Single-Mode No Polish SC APC Connector, Flat Splice, Jacketed (8802-APC/FS)                        | SC APC         | Single-Mode | 1.6-3.0 mm | 80611482268 | 120 connectors/pack | 1 piece               | Not needed    |
| OM1 No Polish SC Connector, Jacketed (6802-62.5)   | SC             | OM1         | 1.6-3.0 mm | 80611494248 | 60 connectors/pack  | 1 piece               | Not needed    |
| OM2 No Polish SC Connector, Jacketed (6802-50)   | SC             | OM2         | 1.6-3.0 mm | 80611494222 | 60 connectors/pack  | 1 piece               | Not needed    |
| OM3/4 No Polish SC Connector, Jacketed (6802-50 LOMMF)   | SC             | OM3/4       | 1.6-3.0 mm | 80611494230 | 60 connectors/pack  | 1 piece               | Not needed    |
| Single-Mode No Polish LC UPC Connector, Jacketed (8832)  | LC             | Single-Mode | 1.6-2.0 mm | 80611494172 | 120 connectors/pack | 1 piece               | Not needed    |
| OM1 No Polish LC Connector, Jacketed (6832-62.5)   | LC             | OM1         | 1.6-2.0 mm | 80611494305 | 60 connectors/pack  | 1 piece               | Not needed    |
| OM2 No Polish LC Connector, Jacketed (6832-50)   | LC             | OM2         | 1.6-2.0 mm | 80611494289 | 60 connectors/pack  | 1 piece               | Not needed    |
| OM3/4 No Polish LC Connector, Jacketed (6832-50 LOMMF)   | LC             | OM3/4       | 1.6-2.0 mm | 80611494297 | 60 connectors/pack  | 1 piece               | Not needed    |



No Polish Connector Kit with CI-01 Cleaver (8865-C)



No Polish Connector Kit without cleaver (8865)

## No Polish Connector (NPC) Ordering Information

| Description  | Connector Type      | Fibre Type      | Cable Type      | Part Number | Packaging    | Easy Cleaver Included  | Assembly Tool            |
|--|---------------------|-----------------|-----------------|-------------|--------------|------------------------|--------------------------|
| <b>No Polish Fibre Preparation Kits</b>                      |                     |                 |                 |             |              |                        |                          |
| No Polish Connector Kit with CI-01 Cleaver (8865-C)          | All connector types | All fibre types | All cable types | 80611323793 | One kit/pack | CI-01 Cleaver included | SC, LC, and ST® included |
| No Polish Connector Kit Without Cleaver (8865)               | All connector types | All fibre types | All cable types | 80611323785 | One kit/pack | No cleaver included    | SC, LC, and ST included  |
| No Polish Connector/Corning® Fibrlok® Universal Kit (2559-C) | All connector types | All fibre types | All cable types | FQ100079216 | One kit/pack | CI-01 Cleaver included | SC, LC, and ST included  |

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