Product family overview

# LL3

A wide variety of solutions to your most challenging applications:
SICK's fiber-optic cables

SICK
Sensor Intelligence.

## Technical data overview

| | |
|---|---|
| **Functional principle detail** | Consisting of a sender and a receiver |

## Product description

For any application-oriented sensor solution, a suitable fiber-optic cable must be chosen. At SICK, the broad range of fiber-optic cables made from plastic and glass fibers permits optimal automation solutions. This applies in particular to tasks for which the fiber-optic cable requires application-specific adaption, where flexible cable installation is crucial, where high temperatures prevail, or a particular material compatibility is important. While the fibers of plastic fiber-optic cables are characterized, among other things, by the smallest of bend radii and maximum flexibility, and can also be shortened to any length, the glass fiber-optic cables are more chemically resistant and suitable for a higher temperature range. The wide variety of end sleeve options or individual special sleeves enable virtually any installation possibility. Depending on the application, the fiber-optic cable's protective cladding can be made from plastic, metal, or Teflon for exposure to aggressive chemicals.

## At a glance

- Very large selection of plastic and glass fiber-optic cables.
- Fiber-optic cables resistant to chemicals and high temperature
- Threaded and smooth sleeves, bands of light (array), 90° reflection versions available
- Focused optics
- Proximity and through-beam versions available
- Plastic, protective metal or Teflon sheathing available

## Your benefits

- Very large selection of fiber-optic cables with plastic and glass fibers, giving users more application flexibility
- Resistant to damage caused by mechanical and chemical stress, as well as high temperatures
- Standard and customer-specific types
- Simple installation saves time
- For detection of objects, surfaces, leading edges, and fluid levels

## Ordering information

Other models and accessories ➜ www.sick.com/LL3

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL24 Ex
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Threaded sleeve
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** stainless steel
- **Fiber-optic cable cuttable:** ✓
- **Thread diameter (housing):** M6
- **Integrated lens:** no
- **Compatibility with infrared light (1,450 nm):** no
- **Angle of dispersion < 60°:** no

| Fiber length | Type | Part no. |
|---|---|---|
| 1,000 mm | LL3-DK06-01 | 5326997 |
| 3,000 mm | LL3-DK063000 | 5338135 |
| | LL3-DB01-3 | 5322552 |
| 30,000 mm | LL3-DB01-30 | 5324662 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Threaded sleeve
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** stainless steel
- **Fiber-optic cable cuttable:** ✓
- **Integrated lens:** no
- **Compatibility with infrared light (1,450 nm):** no
- **Angle of dispersion < 60°:** no

| Thread diameter (housing) | Fiber length | Type | Part no. |
|---|---|---|---|
| M3 | 2,000 mm | LL3-DT01S02 | 5342826 |
| | 5,000 mm | LL3-DT01S03 | 5342827 |
| | | LL3-DT01-05 | 5309087 |
| M4 | 3,000 mm | LL3-DM02-3 | 5327029 |
| M6 | 2,000 mm | LL3-DK06-S01 | 5327794 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL80
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Threaded sleeve
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** stainless steel
- **Fiber-optic cable cuttable:** ✓
- **Integrated lens:** no
- **Compatibility with infrared light (1,450 nm):** no
- **Angle of dispersion < 60°:** no

| Thread diameter (housing) | Fiber length | Type | Part no. |
|---|---|---|---|
| M3 | 2,000 mm | LL3-DK08 | 5350097 |
| | | LL3-DR022000 | 5350148 |
| | | LL3-DS06 | 5308073 |
| | | LL3-DB07 | 5325988 |
| | | LL3-DT01 | 5308076 |
| | 500 mm | LL3-DK21 | 5313023 |
| | 1,000 mm | LL3-DR02 | 5308079 |
| | 2,000 mm | LL3-DR08 | 5326037 |
| M4 | 2,000 mm | LL3-DM01 | 5308071 |
| | | LL3-DK66 | 5313024 |
| | | LL3-DR06 | 5308082 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Flat type
- **Jacket material:** stainless steel
- **Integrated lens:** no
- **Angle of dispersion < 60°:** no

| Type | Part no. |
|---|---|
| LL3-DL01 | 1068060 |
| LL3-DL08 | 1100925 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180
- **Functional principle:** Proximity system
- **Fiber-optic head design:** special design
- **Fiber material:** glass
- **Jacket material:** stainless steel
- **Fiber head material:** stainless steel

| Integrated lens | Compatibility with infrared light (1,450 nm) | Angle of dispersion < 60° | Fiber length | Type | Part no. |
|---|---|---|---|---|---|
| No | Yes | No | 2,000 mm | LL3-DL07 | 1094996 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, KTL180, WLL80
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Threaded sleeve
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** stainless steel
- **Fiber-optic cable cuttable:** ✓
- **Thread diameter (housing):** M4
- **Integrated lens:** no
- **Compatibility with infrared light (1,450 nm):** no
- **Angle of dispersion < 60°:** no

| Fiber length | Type | Part no. |
|---|---|---|
| 500 mm | LL3-DM02500 | 5342216 |
| 5,000 mm | LL3-DM025000 | 5344076 |
| 2,000 mm | LL3-DM02 | 5308077 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Threaded sleeve
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** stainless steel
- **Integrated lens:** no
- **Angle of dispersion < 60°:** no

| Thread diameter (housing) | Compatibility with infrared light (1,450 nm) | Fiber length | Type | Part no. |
|---|---|---|---|---|
| M3 | No | 1,000 mm | LL3-KD021000 | 5343661 |
| M6 | – | 3,000 mm | LL3-DH01-03 | 5321260 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber-optic cable cuttable:** ✓
- **Integrated lens:** no
- **Compatibility with infrared light (1,450 nm):** no

| Fiber length | Type | Part no. |
|---|---|---|
| 14,000 mm | LL3-KX0214000 | 5343663 |
| 3,000 mm | LL3-KX023000 | 5343928 |
| 9,000 mm | LL3-KX029000 | 5343662 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL24 Ex
- **Functional principle:** Through-beam system
- **Fiber-optic head design:** Flat type, 90° deflection, Array
- **Jacket material:** plastic
- **Fiber head material:** Aluminum
- **Fiber-optic cable cuttable:** ✓

| Integrated lens | Compatibility with infrared light (1,450 nm) | Angle of dispersion < 60° | Type | Part no. |
|---|---|---|---|---|
| No | No | No | LL3-TS15S01 | 1069692 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL24 Ex
- **Functional principle:** Through-beam system
- **Fiber-optic head design:** Threaded sleeve
- **Jacket material:** plastic
- **Fiber-optic cable cuttable:** ✓

| Thread diameter (housing) | Integrated lens | Angle of dispersion < 60° | Type | Part no. |
|---|---|---|---|---|
| M12 | Yes | Yes | LL3-TX0410 | 1072949 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL24 Ex, WLL80
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Threaded sleeve
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** stainless steel
- **Fiber-optic cable cuttable:** ✓
- **Thread diameter (housing):** M6
- **Integrated lens:** no
- **Compatibility with infrared light (1,450 nm):** no
- **Angle of dispersion < 60°:** no

| Fiber length | Type | Part no. |
|---|---|---|
| 2,000 mm | LL3-DK06 | 5313019 |
| 10,000 mm | LL3-DB01-10 | 5308075 |
| 2,000 mm | LL3-DB03 | 5313021 |
| | LL3-DK67 | 5313025 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL24 Ex, WLL80
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Threaded sleeve
- **Fiber material:** plastic
- **Jacket material:** stainless steel
- **Fiber head material:** stainless steel
- **Fiber-optic cable cuttable:** ✓

| Thread diameter (housing) | Integrated lens | Compatibility with infrared light (1,450 nm) | Angle of dispersion < 60° | Fiber length | Type | Part no. |
|---|---|---|---|---|---|---|
| M3 | No | No | No | 1,000 mm | LL3-DJ01 | 5325989 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL24 Ex, KTL180, WLL80
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Threaded sleeve
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** stainless steel
- **Fiber-optic cable cuttable:** ✓
- **Thread diameter (housing):** M6
- **Integrated lens:** no
- **Compatibility with infrared light (1,450 nm):** no
- **Angle of dispersion < 60°:** no
- **Fiber length:** 2,000 mm

| Type | Part no. |
|---|---|
| LL3-DB01 | 5308074 |
| LL3-DB04 | 5325990 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL24 Ex, WLL80
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Threaded sleeve
- **Fiber material:** plastic
- **Jacket material:** stainless steel
- **Fiber head material:** brass
- **Fiber-optic cable cuttable:** ✓

| Thread diameter (housing) | Integrated lens | Compatibility with infrared light (1,450 nm) | Angle of dispersion < 60° | Fiber length | Type | Part no. |
|---|---|---|---|---|---|---|
| M6 | No | No | No | 1,000 mm | LL3-DJ02 | 5325992 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL24 Ex, WLL80
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Threaded sleeve
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** brass
- **Fiber-optic cable cuttable:** ✓

| Thread diameter (housing) | Integrated lens | Compatibility with infrared light (1,450 nm) | Angle of dispersion < 60° | Fiber length | Type | Part no. |
|---|---|---|---|---|---|---|
| M6 | No | No | No | 2,000 mm | LL3-DR01 | 5308078 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Smooth sleeve
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** stainless steel
- **Fiber-optic cable cuttable:** ✓
- **Integrated lens:** no
- **Compatibility with infrared light (1,450 nm):** no
- **Angle of dispersion < 60°:** no

| Smooth sleeve diameter | Fiber length | Type | Part no. |
|---|---|---|---|
| 3 mm | 2,000 mm | LL3-DK4Z | 5313026 |
| 5 mm | 1,000 mm | LL3-DK051000 | 5342636 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL80
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Smooth sleeve
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** stainless steel
- **Fiber-optic cable cuttable:** ✓
- **Integrated lens:** no
- **Compatibility with infrared light (1,450 nm):** no
- **Angle of dispersion < 60°:** no

| Smooth sleeve diameter | Fiber length | Type | Part no. |
|---|---|---|---|
| 1.5 mm | 1,000 mm | LL3-DR04 | 5308081 |
| 2.5 mm | 2,000 mm | LL3-DT03 | 5308072 |
| 3 mm | 4,000 mm | LL3-DR034000 | 5345731 |
| | 2,000 mm | LL3-DB10 | 5325999 |
| | | LL3-DR11 | 5326000 |
| | | LL3-DR03 | 5308080 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Smooth sleeve
- **Fiber material:** glass
- **Jacket material:** plastic

| Smooth sleeve diameter | Integrated lens | Compatibility with infrared light (1,450 nm) | Angle of dispersion < 60° | Fiber length | Type | Part no. |
|---|---|---|---|---|---|---|
| 7 mm | Yes | Yes | Yes | 1,000 mm | LL3-LM401000 | 2082375 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Smooth sleeve, Long end sleeve
- **Fiber material:** glass
- **Jacket material:** plastic
- **Fiber head material:** Aluminum
- **Smooth sleeve diameter:** 5.8 mm
- **Integrated lens:** no
- **Compatibility with infrared light (1,450 nm):** yes
- **Angle of dispersion < 60°:** no

| Fiber length | Type | Part no. |
|---|---|---|
| 2,200 mm | LL3-LT312200 | 2073487 |
| 150 mm | LL3-LM31150 | 2073483 |
| 1,500 mm | LL3-LM311500 | 2073486 |
| 300 mm | LL3-LM31300 | 2079212 |
| 450 mm | LL3-LM31450 | 2073484 |
| 750 mm | LL3-LM31750 | 2073485 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Smooth sleeve, Long end sleeve
- **Fiber material:** glass
- **Smooth sleeve diameter:** 5.8 mm
- **Integrated lens:** no
- **Compatibility with infrared light (1,450 nm):** yes
- **Angle of dispersion < 60°:** no
- **Fiber length:** 450 mm

| Type | Part no. |
|---|---|
| LL3-LT31450 | 2077269 |
| LL3-LT31450S01 | 2088456 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Smooth sleeve, Long end sleeve
- **Fiber material:** glass
- **Fiber head material:** Aluminum

| Smooth sleeve diameter | Integrated lens | Compatibility with infrared light (1,450 nm) | Angle of dispersion < 60° | Fiber length | Type | Part no. |
|---|---|---|---|---|---|---|
| 5.8 mm | No | Yes | No | 750 mm | LL3-LT31750 | 2074450 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, KTL180, WLL80
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Smooth sleeve
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** stainless steel
- **Fiber-optic cable cuttable:** ✓

| Smooth sleeve diameter | Integrated lens | Compatibility with infrared light (1,450 nm) | Angle of dispersion < 60° | Fiber length | Type | Part no. |
|---|---|---|---|---|---|---|
| 3 mm | No | No | No | 2,000 mm | LL3-DK04 | 5313020 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL24 Ex, WLL80
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Smooth sleeve
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** stainless steel
- **Fiber-optic cable cuttable:** ✓
- **Integrated lens:** no
- **Compatibility with infrared light (1,450 nm):** no
- **Angle of dispersion < 60°:** no

| Smooth sleeve diameter | Fiber length | Type | Part no. |
|---|---|---|---|
| 2 mm | 1,000 mm | LL3-DP01 | 5325998 |
| 3 mm | 500 mm | LL3-DR05 | 5308087 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL80
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Smooth sleeve, Long end sleeve, 90° deflection
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** stainless steel
- **Fiber-optic cable cuttable:** ✓
- **Smooth sleeve diameter:** 3 mm
- **Compatibility with infrared light (1,450 nm):** no
- **Fiber length:** 2,000 mm

| Integrated lens | Angle of dispersion < 60° | Type | Part no. |
|---|---|---|---|
| – | – | LL3-DV02 | 5308089 |
| Yes | Yes | LL3-DR12 | 5326001 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Threaded sleeve, 90° deflection
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** brass
- **Fiber-optic cable cuttable:** ✓

| Thread diameter (housing) | Integrated lens | Compatibility with infrared light (1,450 nm) | Angle of dispersion < 60° | Fiber length | Type | Part no. |
|---|---|---|---|---|---|---|
| M3 | No | No | No | 1,000 mm | LL3-DV08 | 5336171 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL24 Ex, KTL180, WLL80
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Threaded sleeve, 90° deflection
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber-optic cable cuttable:** ✓

| Thread diameter (housing) | Integrated lens | Compatibility with infrared light (1,450 nm) | Angle of dispersion < 60° | Fiber length | Type | Part no. |
|---|---|---|---|---|---|---|
| M6 | No | No | No | 2,000 mm | LL3-DB09 | 5325991 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL24 Ex, WLL80
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Threaded sleeve, 90° deflection
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** plastic
- **Fiber-optic cable cuttable:** ✓
- **Thread diameter (housing):** M6
- **Integrated lens:** yes
- **Compatibility with infrared light (1,450 nm):** no
- **Angle of dispersion < 60°:** yes
- **Fiber length:** 2,000 mm

| Type | Part no. |
|---|---|
| LL3-DV05 | 5322549 |
| LL3-DV06 | 5322550 |
| LL3-DV07 | 5322551 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL80
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Flat type, 90° deflection
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** plastic
- **Fiber-optic cable cuttable:** ✓
- **Compatibility with infrared light (1,450 nm):** no

| Integrated lens | Angle of dispersion < 60° | Fiber length | Type | Part no. |
|---|---|---|---|---|
| – | – | 2,000 mm | LL3-DC07 | 5326019 |
| Yes | Yes | 1,000 mm | LL3-DE01 | 5325285 |
| | | 2,000 mm | LL3-DE03 | 5325986 |
| | | | LL3-DC06 | 5326017 |
| | | 3,000 mm | LL3-DC04 | 5326018 |
| | | 2,000 mm | LL3-DC39 | 5322513 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL80
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Flat type
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** plastic
- **Fiber-optic cable cuttable:** ✓
- **Integrated lens:** no
- **Compatibility with infrared light (1,450 nm):** no
- **Angle of dispersion < 60°:** no

| Fiber length | Type | Part no. |
|---|---|---|
| 2,000 mm | LL3-DE04 | 5325987 |
| 1,000 mm | LL3-DE02 | 5324497 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL24 Ex, WLL80
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Flat type
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** plastic
- **Fiber-optic cable cuttable:** ✓
- **Compatibility with infrared light (1,450 nm):** no

| Integrated lens | Angle of dispersion < 60° | Fiber length | Type | Part no. |
|---|---|---|---|---|
| – | – | 2,000 mm | LL3-DR09 | 5325528 |
| Yes | Yes | 4,000 mm | LL3-DC03 | 5326020 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL80
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Flat type
- **Fiber material:** glass
- **Jacket material:** stainless steel
- **Fiber head material:** plastic

| Compatibility with infrared light (1,450 nm) | Fiber length | Type | Part no. |
|---|---|---|---|
| Yes | 3,000 mm | LL3-DH10 | 5326023 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL24 Ex
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Flat type
- **Fiber material:** plastic
- **Jacket material:** stainless steel
- **Fiber head material:** plastic
- **Fiber-optic cable cuttable:** ✓

| Compatibility with infrared light (1,450 nm) | Fiber length | Type | Part no. |
|---|---|---|---|
| No | 3,000 mm | LL3-DH11 | 5326024 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL24 Ex
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Flat type
- **Fiber material:** plastic
- **Jacket material:** chemical-resistant plastic
- **Fiber head material:** stainless steel
- **Fiber-optic cable cuttable:** ✓

| Compatibility with infrared light (1,450 nm) | Fiber length | Type | Part no. |
|---|---|---|---|
| Yes | 2,000 mm | LL3-DH08 | 5326025 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Flat type, 90° deflection
- **Fiber material:** glass
- **Jacket material:** stainless steel
- **Fiber head material:** stainless steel

| Integrated lens | Compatibility with infrared light (1,450 nm) | Angle of dispersion < 60° | Fiber length | Type | Part no. |
|---|---|---|---|---|---|
| Yes | Yes | No | 2,000 mm | LL3-DH06 | 5326026 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, KTL180
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Flat type
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** plastic
- **Fiber-optic cable cuttable:** ✓

| Integrated lens | Compatibility with infrared light (1,450 nm) | Angle of dispersion < 60° | Fiber length | Type | Part no. |
|---|---|---|---|---|---|
| Yes | No | Yes | 2,000 mm | LL3-DC09 | 5326028 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Flat type, 90° deflection
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** plastic
- **Fiber-optic cable cuttable:** ✓

| Compatibility with infrared light (1,450 nm) | Fiber length | Type | Part no. |
|---|---|---|---|
| No | 1,000 mm | LL3-DC08 | 5326029 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Flat type, 90° deflection
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** stainless steel
- **Fiber-optic cable cuttable:** ✓

| Integrated lens | Compatibility with infrared light (1,450 nm) | Angle of dispersion < 60° | Fiber length | Type | Part no. |
|---|---|---|---|---|---|
| No | No | No | 2,000 mm | LL3-DC47 | 5324268 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180
- **Functional principle:** Through-beam system
- **Fiber-optic head design:** Flat type, 90° deflection
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** stainless steel
- **Fiber-optic cable cuttable:** ✓

| Integrated lens | Compatibility with infrared light (1,450 nm) | Angle of dispersion < 60° | Fiber length | Type | Part no. |
|---|---|---|---|---|---|
| No | No | No | 2,000 mm | LL3-DC57 | 5324269 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL24 Ex
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Threaded sleeve, Long end sleeve, Bendable sleeve
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** stainless steel
- **Fiber-optic cable cuttable:** ✓

| Thread diameter (housing) | Integrated lens | Compatibility with infrared light (1,450 nm) | Angle of dispersion < 60° | Fiber length | Type | Part no. |
|---|---|---|---|---|---|---|
| M6 | No | No | No | 10,000 mm | LL3-DB02-10 | 5328568 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Threaded sleeve, Long end sleeve, Bendable sleeve
- **Fiber material:** glass
- **Jacket material:** stainless steel
- **Fiber head material:** brass

| Thread diameter (housing) | Integrated lens | Compatibility with infrared light (1,450 nm) | Angle of dispersion < 60° | Fiber length | Type | Part no. |
|---|---|---|---|---|---|---|
| M4 | No | Yes | No | 1,000 mm | LL3-DH055000 | 5340697 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Threaded sleeve, Long end sleeve, Bendable sleeve
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** stainless steel
- **Fiber-optic cable cuttable:** ✓
- **Integrated lens:** no
- **Compatibility with infrared light (1,450 nm):** no
- **Angle of dispersion < 60°:** no
- **Fiber length:** 2,000 mm

| Thread diameter (housing) | Type | Part no. |
|---|---|---|
| M3 | LL3-DM04 | 5337948 |
| M4 | LL3-DM03-3 | 5326721 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL24 Ex
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Smooth sleeve, Long end sleeve, 90° deflection
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** stainless steel
- **Fiber-optic cable cuttable:** ✓

| Smooth sleeve diameter | Integrated lens | Compatibility with infrared light (1,450 nm) | Angle of dispersion < 60° | Fiber length | Type | Part no. |
|---|---|---|---|---|---|---|
| 5 mm | No | No | No | 9,000 mm | LL3-DV019000 | 5335399 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL24 Ex
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Smooth sleeve, Ø 6 mm, length 32 mm
- **Smooth sleeve diameter:** 6 mm
- **Integrated lens:** no
- **Compatibility with infrared light (1,450 nm):** no
- **Angle of dispersion < 60°:** no

| Fiber length | Type | Part no. |
|---|---|---|
| 500 mm | LL3-KD01500 | 5345834 |
| 750 mm | LL3-KD01750 | 5345835 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL80
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Threaded sleeve, Long end sleeve
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** stainless steel

| Thread diameter (housing) | Integrated lens | Compatibility with infrared light (1,450 nm) | Angle of dispersion < 60° | Fiber length | Type | Part no. |
|---|---|---|---|---|---|---|
| M3 | No | No | No | 1,000 mm | LL3-DB05 | 5326002 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL80
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Threaded sleeve, Long end sleeve, Bendable sleeve
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** brass
- **Fiber-optic cable cuttable:** ✓
- **Thread diameter (housing):** M4
- **Integrated lens:** no
- **Compatibility with infrared light (1,450 nm):** no
- **Angle of dispersion < 60°:** no
- **Fiber length:** 2,000 mm

| Type | Part no. |
|---|---|
| LL3-DB08 | 5326004 |
| LL3-DR10 | 5326005 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL80
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Threaded sleeve, Long end sleeve, Bendable sleeve
- **Fiber material:** glass
- **Jacket material:** stainless steel
- **Fiber head material:** brass
- **Integrated lens:** no
- **Compatibility with infrared light (1,450 nm):** yes
- **Angle of dispersion < 60°:** no

| Thread diameter (housing) | Fiber length | Type | Part no. |
|---|---|---|---|
| M4 | 1,000 mm | LL3-DH05 | 5326021 |
| M6 | 2,000 mm | LL3-DH04 | 5326022 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL80
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Threaded sleeve, Long end sleeve
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** stainless steel
- **Fiber-optic cable cuttable:** ✓
- **Integrated lens:** no
- **Compatibility with infrared light (1,450 nm):** no
- **Angle of dispersion < 60°:** no

| Thread diameter (housing) | Fiber length | Type | Part no. |
|---|---|---|---|
| M3 | 500 mm | LL3-DT02 | 5308085 |
| | | LL3-DT04 | 5308086 |
| M4 | 2,000 mm | LL3-DK63Z | 5313027 |
| | | LL3-DT05 | 5313028 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL24 Ex, WLL80
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Threaded sleeve, Long end sleeve, Bendable sleeve
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** stainless steel
- **Fiber-optic cable cuttable:** ✓
- **Thread diameter (housing):** M6
- **Integrated lens:** no
- **Compatibility with infrared light (1,450 nm):** no
- **Angle of dispersion < 60°:** no
- **Fiber length:** 2,000 mm

| Type | Part no. |
|---|---|
| LL3-DB06 | 5326006 |
| LL3-DB02 | 5308083 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL24 Ex, WLL80
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Smooth sleeve, Long end sleeve
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** stainless steel
- **Fiber-optic cable cuttable:** ✓

| Smooth sleeve diameter | Integrated lens | Compatibility with infrared light (1,450 nm) | Angle of dispersion < 60° | Fiber length | Type | Part no. |
|---|---|---|---|---|---|---|
| 3 mm | No | No | No | 1,000 mm | LL3-DR07 | 5326007 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL80
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Threaded sleeve, Long end sleeve, Bendable sleeve
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** stainless steel
- **Fiber-optic cable cuttable:** ✓

| Thread diameter (housing) | Integrated lens | Compatibility with infrared light (1,450 nm) | Angle of dispersion < 60° | Fiber length | Type | Part no. |
|---|---|---|---|---|---|---|
| M4 | No | No | No | 2,000 mm | LL3-DM03 | 5308084 |

- **Device type detail:** fiber suitable for WLL260
- **Functional principle:** Proximity system
- **Compatibility with infrared light (1,450 nm):** no

| Smooth sleeve diameter | Fiber length | Type | Part no. |
|---|---|---|---|
| – | 2,000 mm | LL3-RB01 | 5326010 |
| | | LL3-RB02 | 5326011 |
| | | LL3-RG01 | 5326012 |
| 2.5 mm | 500 mm | LL3-DK22 | 5313029 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL80
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Smooth sleeve, Long end sleeve
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** stainless steel
- **Fiber-optic cable cuttable:** ✓

| Smooth sleeve diameter | Integrated lens | Compatibility with infrared light (1,450 nm) | Angle of dispersion < 60° | Fiber length | Type | Part no. |
|---|---|---|---|---|---|---|
| 4 mm | No | No | No | 2,000 mm | LL3-DK43 | 5313030 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL24 Ex, WLL80
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Smooth sleeve, Long end sleeve, 90° deflection
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** stainless steel
- **Fiber-optic cable cuttable:** ✓
- **Smooth sleeve diameter:** 5 mm
- **Integrated lens:** no
- **Compatibility with infrared light (1,450 nm):** no
- **Angle of dispersion < 60°:** no
- **Fiber length:** 2,000 mm

| Type | Part no. |
|---|---|
| LL3-DV01 | 5308088 |
| LL3-DK33 | 5313031 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL24 Ex, WLL80
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Threaded sleeve, Long end sleeve, 90° deflection
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** stainless steel
- **Fiber-optic cable cuttable:** ✓

| Thread diameter (housing) | Integrated lens | Compatibility with infrared light (1,450 nm) | Angle of dispersion < 60° | Fiber length | Type | Part no. |
|---|---|---|---|---|---|---|
| M6 | No | No | No | 2,000 mm | LL3-DV03 | 5308090 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL24 Ex
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Flat type, Array
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** brass
- **Fiber-optic cable cuttable:** ✓

| Integrated lens | Compatibility with infrared light (1,450 nm) | Angle of dispersion < 60° | Fiber length | Type | Part no. |
|---|---|---|---|---|---|
| No | No | No | 10,000 mm | LL3-DZ0210000 | 5334006 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL24 Ex, KTL180, WLL80
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Flat type, Array
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** plastic
- **Fiber-optic cable cuttable:** ✓

| Integrated lens | Compatibility with infrared light (1,450 nm) | Angle of dispersion < 60° | Fiber length | Type | Part no. |
|---|---|---|---|---|---|
| Yes | No | Yes | 2,000 mm | LL3-DZ01 | 5326013 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL24 Ex, WLL80
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Flat type, Array
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** brass
- **Fiber-optic cable cuttable:** ✓

| Integrated lens | Compatibility with infrared light (1,450 nm) | Angle of dispersion < 60° | Fiber length | Type | Part no. |
|---|---|---|---|---|---|
| No | No | No | 2,000 mm | LL3-DZ02 | 5326014 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL24 Ex, WLL80
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Flat type, 90° deflection, Array
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** brass
- **Fiber-optic cable cuttable:** ✓

| Integrated lens | Compatibility with infrared light (1,450 nm) | Angle of dispersion < 60° | Fiber length | Type | Part no. |
|---|---|---|---|---|---|
| No | No | No | 2,000 mm | LL3-DZ03 | 5326015 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Threaded sleeve
- **Fiber material:** glass
- **Jacket material:** stainless steel
- **Fiber head material:** brass

| Thread diameter (housing) | Integrated lens | Compatibility with infrared light (1,450 nm) | Angle of dispersion < 60° | Fiber length | Type | Part no. |
|---|---|---|---|---|---|---|
| M6 | No | Yes | No | 3,000 mm | LL3-DH03-03 | 5324788 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL80
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Threaded sleeve
- **Fiber material:** glass
- **Jacket material:** stainless steel
- **Fiber head material:** brass
- **Integrated lens:** no
- **Compatibility with infrared light (1,450 nm):** yes
- **Angle of dispersion < 60°:** no

| Thread diameter (housing) | Fiber length | Type | Part no. |
|---|---|---|---|
| M4 | 2,000 mm | LL3-DH072000 | 5342745 |
| | 1,000 mm | LL3-DH07 | 5326031 |
| M6 | 750 mm | LL3-DH03750 | 5340698 |
| | 2,000 mm | LL3-DH03 | 5324787 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Flat type, 90° deflection
- **Fiber material:** glass
- **Jacket material:** stainless steel
- **Fiber head material:** Aluminum
- **Integrated lens:** no
- **Compatibility with infrared light (1,450 nm):** yes
- **Angle of dispersion < 60°:** no

| Fiber length | Type | Part no. |
|---|---|---|
| 10,000 mm | LL3-DH5010000 | 2106741 |
| 500 mm | LL3-DH50500 | 2083802 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Threaded sleeve
- **Fiber material:** glass
- **Jacket material:** stainless steel
- **Fiber head material:** stainless steel
- **Thread diameter (housing):** M6
- **Integrated lens:** no
- **Compatibility with infrared light (1,450 nm):** yes
- **Angle of dispersion < 60°:** no

| Fiber length | Type | Part no. |
|---|---|---|
| 10,000 mm | LL3-DW0110000 | 5343668 |
| 2,500 mm | LL3-DW012500 | 5344273 |
| 3,000 mm | LL3-DW013000 | 5344274 |
| 5,000 mm | LL3-DW01-5 | 5326221 |
| 1,000 mm | LL3-DW01 | 5315234 |
| 2,000 mm | LL3-DW01-2 | 5324789 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL80
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Threaded sleeve
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** stainless steel
- **Thread diameter (housing):** M6
- **Integrated lens:** no
- **Angle of dispersion < 60°:** no
- **Fiber length:** 2,000 mm

| Type | Part no. |
|---|---|
| LL3-DH01 | 5308091 |
| LL3-DH02 | 5308092 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL24 Ex
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Threaded sleeve
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** brass
- **Fiber-optic cable cuttable:** ✓

| Thread diameter (housing) | Compatibility with infrared light (1,450 nm) | Fiber length | Type | Part no. |
|---|---|---|---|---|
| M6 | No | 2,000 mm | LL3-DH09 | 5326030 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Smooth sleeve
- **Fiber material:** plastic
- **Jacket material:** chemical-resistant plastic
- **Fiber head material:** chemical-resistant plastic
- **Fiber-optic cable cuttable:** ✓

| Smooth sleeve diameter | Integrated lens | Compatibility with infrared light (1,450 nm) | Angle of dispersion < 60° | Fiber length | Type | Part no. |
|---|---|---|---|---|---|---|
| 6 mm | No | No | No | 4,000 mm | LL3-DB114000 | 5338927 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Smooth sleeve, 90° deflection
- **Fiber material:** plastic
- **Jacket material:** chemical-resistant plastic
- **Fiber head material:** chemical-resistant plastic
- **Fiber-optic cable cuttable:** ✓
- **Smooth sleeve diameter:** 6 mm
- **Integrated lens:** no
- **Compatibility with infrared light (1,450 nm):** no
- **Angle of dispersion < 60°:** no
- **Fiber length:** 4,000 mm

| Type | Part no. |
|---|---|
| LL3-DV114000 | 5338928 |
| LL3-DV114000S01 | 5345836 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL24 Ex, KTL180, WLL80
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Smooth sleeve
- **Fiber material:** plastic
- **Jacket material:** chemical-resistant plastic
- **Fiber head material:** chemical-resistant plastic
- **Fiber-optic cable cuttable:** ✓

| Smooth sleeve diameter | Integrated lens | Compatibility with infrared light (1,450 nm) | Angle of dispersion < 60° | Fiber length | Type | Part no. |
|---|---|---|---|---|---|---|
| 6 mm | No | No | No | 2,000 mm | LL3-DY01 | 5308093 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL24 Ex, WLL80
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Flat type, 90° deflection
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** plastic
- **Fiber-optic cable cuttable:** ✓

| Integrated lens | Compatibility with infrared light (1,450 nm) | Angle of dispersion < 60° | Fiber length | Type | Part no. |
|---|---|---|---|---|---|
| Yes | No | Yes | 3,000 mm | LL3-DC05 | 5326016 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, KTL180, WLL80
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Flat type, 90° deflection
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** plastic
- **Fiber-optic cable cuttable:** ✓

| Integrated lens | Compatibility with infrared light (1,450 nm) | Angle of dispersion < 60° | Fiber length | Type | Part no. |
|---|---|---|---|---|---|
| Yes | No | Yes | 2,000 mm | LL3-DC38 | 5322472 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL24 Ex
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Flat type
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** plastic
- **Fiber-optic cable cuttable:** ✓

| Integrated lens | Compatibility with infrared light (1,450 nm) | Angle of dispersion < 60° | Fiber length | Type | Part no. |
|---|---|---|---|---|---|
| Yes | No | Yes | 2,000 mm | LL3-RR01 | 5326008 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL24 Ex
- **Functional principle:** Proximity system
- **Fiber-optic head design:** special design
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** chemical-resistant plastic
- **Fiber-optic cable cuttable:** ✓
- **Smooth sleeve diameter:** 5 mm
- **Integrated lens:** no
- **Compatibility with infrared light (1,450 nm):** no
- **Angle of dispersion < 60°:** no

| Fiber length | Type | Part no. |
|---|---|---|
| 234 mm | LL3-DF02-S03 | 5329354 |
| 2,000 mm | LL3-DF02-S01 | 5321924 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180
- **Functional principle:** Proximity system
- **Fiber-optic head design:** special design
- **Fiber material:** plastic
- **Jacket material:** chemical-resistant plastic
- **Fiber head material:** chemical-resistant plastic
- **Fiber-optic cable cuttable:** ✓

| Compatibility with infrared light (1,450 nm) | Fiber length | Type | Part no. |
|---|---|---|---|
| No | 2,000 mm | LL3-DF03 | 5336766 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Array
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** plastic
- **Fiber-optic cable cuttable:** ✓
- **Integrated lens:** no
- **Compatibility with infrared light (1,450 nm):** no
- **Angle of dispersion < 60°:** no

| Fiber length | Type | Part no. |
|---|---|---|
| 10,000 mm | LL3-DF0710000 | 5340780 |
| 5,000 mm | LL3-DF075000 | 5338077 |
| 2,000 mm | LL3-DF07 | 5326033 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180
- **Functional principle:** Proximity system
- **Fiber-optic head design:** special design
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** plastic
- **Fiber-optic cable cuttable:** ✓
- **Integrated lens:** no
- **Compatibility with infrared light (1,450 nm):** no
- **Angle of dispersion < 60°:** no
- **Fiber length:** 2,000 mm

| Type | Part no. |
|---|---|
| LL3-DF05 | 5326034 |
| LL3-DF04 | 5326035 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180
- **Functional principle:** Proximity system
- **Fiber-optic head design:** special design
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** chemical-resistant plastic
- **Fiber-optic cable cuttable:** ✓

| Compatibility with infrared light (1,450 nm) | Fiber length | Type | Part no. |
|---|---|---|---|
| No | 5,000 mm | LL3-DW02 | 5325608 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL24 Ex
- **Functional principle:** Through-beam system
- **Fiber-optic head design:** Threaded sleeve
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** brass
- **Fiber-optic cable cuttable:** ✓
- **Thread diameter (housing):** M4
- **Compatibility with infrared light (1,450 nm):** no

| Integrated lens | Angle of dispersion < 60° | Fiber length | Type | Part no. |
|---|---|---|---|---|
| – | – | 2,000 mm | LL3-TH17 | 5325967 |
| No | No | 5,000 mm | LL3-TR015000 | 5345737 |
| | | | LL3-TH01-05 | 5329380 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL24 Ex, WLL80
- **Functional principle:** Through-beam system
- **Fiber-optic head design:** Threaded sleeve
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** stainless steel
- **Fiber-optic cable cuttable:** ✓
- **Compatibility with infrared light (1,450 nm):** no

| Thread diameter (housing) | Integrated lens | Angle of dispersion < 60° | Fiber length | Type | Part no. |
|---|---|---|---|---|---|
| M12 | Yes | Yes | 20,000 mm | LL3-TX01S01 | 5343641 |
| | | | | LL3-TX02 | 5325046 |
| | | | | LL3-TX01 | 5324173 |
| M4 | No | No | 2,000 mm | LL3-TB01 | 5308050 |
| | | | 10,000 mm | LL3-TB01-10 | 5308051 |
| | | | 2,000 mm | LL3-TB02 | 5308048 |
| | | | 1,000 mm | LL3-TJ01 | 5325915 |
| | | | 2,000 mm | LL3-TH02 | 5308065 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL24 Ex
- **Functional principle:** Through-beam system
- **Fiber-optic head design:** Threaded sleeve
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** stainless steel
- **Fiber-optic cable cuttable:** ✓
- **Compatibility with infrared light (1,450 nm):** no

| Thread diameter (housing) | Integrated lens | Angle of dispersion < 60° | Fiber length | Type | Part no. |
|---|---|---|---|---|---|
| M12 | Yes | Yes | 1,000 mm | LL3-TX02-01 | 5328256 |
| | | | 10,000 mm | LL3-TX02-10 | 5326380 |

| Thread diameter (housing) | Integrated lens | Angle of dispersion < 60° | Fiber length | Type | Part no. |
|---|---|---|---|---|---|
| M4 | No | No | 30,000 mm | LL3-TB01-30 | 5315499 |
| | | | 5,000 mm | LL3-TH02-05 | 5329394 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180
- **Functional principle:** Through-beam system
- **Fiber-optic head design:** Threaded sleeve
- **Fiber material:** plastic
- **Jacket material:** stainless steel
- **Fiber head material:** stainless steel

| Thread diameter (housing) | Integrated lens | Compatibility with infrared light (1,450 nm) | Angle of dispersion < 60° | Fiber length | Type | Part no. |
|---|---|---|---|---|---|---|
| M12 | Yes | No | Yes | 1,000 mm | LL3-TX03-01 | 5328257 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL24 Ex, WLL80
- **Functional principle:** Through-beam system
- **Fiber-optic head design:** Threaded sleeve
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** brass
- **Fiber-optic cable cuttable:** ✓
- **Thread diameter (housing):** M4
- **Integrated lens:** no
- **Compatibility with infrared light (1,450 nm):** no
- **Angle of dispersion < 60°:** no

| Fiber length | Type | Part no. |
|---|---|---|
| 2,000 mm | LL3-TK77 | 5313035 |
| | LL3-TR01 | 5308052 |
| 5,000 mm | LL3-TR01-05 | 5322198 |
| 2,000 mm | LL3-TH01 | 5308064 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL80
- **Functional principle:** Through-beam system
- **Fiber-optic head design:** Threaded sleeve
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** stainless steel
- **Fiber-optic cable cuttable:** ✓
- **Thread diameter (housing):** M3
- **Integrated lens:** no
- **Compatibility with infrared light (1,450 nm):** no
- **Angle of dispersion < 60°:** no
- **Fiber length:** 2,000 mm

| Type | Part no. |
|---|---|
| LL3-TR02 | 5308053 |
| LL3-TM01 | 5308068 |

| Type | Part no. |
|---|---|
| LL3-TM02 | 5308069 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** WLL80
- **Functional principle:** Through-beam system
- **Compatibility with infrared light (1,450 nm):** no

| Thread diameter (housing) | Smooth sleeve diameter | Fiber length | Type | Part no. |
|---|---|---|---|---|
| – | 5.5 mm | 2,500 mm | LL3-TY04 | 5325981 |
| M14 | – | 10,000 mm | LL3-TB08 | 5325917 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180
- **Functional principle:** Through-beam system
- **Fiber-optic head design:** Smooth sleeve, Long end sleeve
- **Fiber material:** glass
- **Jacket material:** plastic
- **Fiber head material:** Aluminum
- **Smooth sleeve diameter:** 5.8 mm
- **Integrated lens:** no
- **Compatibility with infrared light (1,450 nm):** yes
- **Angle of dispersion < 60°:** no

| Fiber length | Type | Part no. |
|---|---|---|
| 450 mm | LL3-LM32450 | 2073499 |
| 750 mm | LL3-LM32750 | 2073500 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Smooth sleeve
- **Fiber material:** glass
- **Jacket material:** plastic
- **Fiber head material:** Aluminum
- **Smooth sleeve diameter:** 5.8 mm
- **Integrated lens:** no
- **Compatibility with infrared light (1,450 nm):** yes
- **Angle of dispersion < 60°:** no

| Fiber length | Type | Part no. |
|---|---|---|
| 150 mm | LL3-LM35150 | 2073488 |
| 450 mm | LL3-LM35450 | 2073489 |
| 750 mm | LL3-LM35750 | 2073490 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL24 Ex, WLL80
- **Functional principle:** Through-beam system
- **Fiber-optic head design:** Smooth sleeve
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** stainless steel
- **Fiber-optic cable cuttable:** ✓
- **Compatibility with infrared light (1,450 nm):** no

| Smooth sleeve diameter | Integrated lens | Angle of dispersion < 60° | Fiber length | Type | Part no. |
|---|---|---|---|---|---|
| – | Yes | Yes | 2,000 mm | LL3-TG03 | 5325942 |
| 1 mm | No | No | 500 mm | LL3-TR04 | 5325918 |
| 2.5 mm | No | No | 2,000 mm | LL3-TB07 | 5325919 |
| 3 mm | No | No | 4,000 mm | LL3-TK054000 | 5339333 |
| | | | 2,000 mm | LL3-TS07 | 5308049 |
| | | | | LL3-TK05 | 5313034 |
| | Yes | Yes | 2,000 mm | LL3-TR10 | 5325920 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180
- **Functional principle:** Through-beam system
- **Fiber-optic head design:** Smooth sleeve
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** stainless steel
- **Fiber-optic cable cuttable:** ✓
- **Smooth sleeve diameter:** 1.5 mm
- **Integrated lens:** no
- **Compatibility with infrared light (1,450 nm):** no
- **Angle of dispersion < 60°:** no

| Fiber length | Type | Part no. |
|---|---|---|
| 1,000 mm | LL3-TR03 | 5308054 |
| 2,000 mm | LL3-TR03-2 | 5308055 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL80
- **Functional principle:** Through-beam system
- **Fiber-optic head design:** Smooth sleeve, Long end sleeve, 90° deflection
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** stainless steel
- **Fiber-optic cable cuttable:** ✓
- **Compatibility with infrared light (1,450 nm):** no
- **Fiber length:** 2,000 mm

| Smooth sleeve diameter | Integrated lens | Angle of dispersion < 60° | Type | Part no. |
|---|---|---|---|---|
| 2 mm | – | – | LL3-TG05 | 5325921 |
| 2.5 mm | No | No | LL3-TV02 | 5308059 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL24 Ex, WLL80
- **Functional principle:** Through-beam system
- **Fiber-optic head design:** Smooth sleeve, Long end sleeve, 90° deflection
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** stainless steel
- **Fiber-optic cable cuttable:** ✓
- **Compatibility with infrared light (1,450 nm):** no
- **Fiber length:** 2,000 mm

| Smooth sleeve diameter | Integrated lens | Angle of dispersion < 60° | Type | Part no. |
|---|---|---|---|---|
| 2 mm | Yes | Yes | LL3-TV08 | 5325922 |
| 3 mm | No | No | LL3-TV01 | 5308058 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL80
- **Functional principle:** Through-beam system
- **Fiber-optic head design:** Smooth sleeve, Long end sleeve, 90° deflection
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber-optic cable cuttable:** ✓

| Smooth sleeve diameter | Fiber length | Type | Part no. |
|---|---|---|---|
| 2.5 mm | 1,000 mm | LL3-TH06 | 5325926 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL80
- **Functional principle:** Through-beam system
- **Fiber-optic head design:** Smooth sleeve
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** stainless steel
- **Fiber-optic cable cuttable:** ✓
- **Integrated lens:** no
- **Compatibility with infrared light (1,450 nm):** no
- **Angle of dispersion < 60°:** no
- **Fiber length:** 2,000 mm

| Smooth sleeve diameter | Type | Part no. |
|---|---|---|
| 1.5 mm | LL3-TM03 | 5308070 |
| 3 mm | LL3-TT01 | 5308057 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180
- **Functional principle:** Proximity system
- **Fiber-optic head design:** Flat type, 90° deflection
- **Fiber material:** glass
- **Jacket material:** plastic
- **Fiber head material:** Aluminum
- **Integrated lens:** no
- **Compatibility with infrared light (1,450 nm):** yes
- **Angle of dispersion < 60°:** no

| Fiber length | Type | Part no. |
|---|---|---|
| 1,000 mm | LL3-LM361000 | 2073494 |

| Fiber length | Type | Part no. |
|---|---|---|
| 1,250 mm | LL3-LM361250 | 2073495 |
| 150 mm | LL3-LM36150 | 2073491 |
| 450 mm | LL3-LM36450 | 2073492 |
| 750 mm | LL3-LM36750 | 2073493 |
| 150 mm | LL3-LM37150 | 2073496 |
| 450 mm | LL3-LM37450 | 2073497 |
| 750 mm | LL3-LM37750 | 2073498 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180
- **Functional principle:** Through-beam system
- **Fiber-optic head design:** Flat type, 90° deflection
- **Fiber material:** glass
- **Jacket material:** plastic
- **Fiber head material:** Aluminum
- **Compatibility with infrared light (1,450 nm):** yes

| Integrated lens | Angle of dispersion < 60° | Fiber length | Type | Part no. |
|---|---|---|---|---|
| No | No | 150 mm | LL3-LM38150 | 2073501 |
| | | 450 mm | LL3-LM38450 | 2073502 |
| | | | LL3-LM39450 | 2073505 |
| | | 750 mm | LL3-LM39750 | 2073506 |
| | | | LL3-LM38750 | 2073503 |
| Yes | Yes | 750 mm | LL3-LM38751 | 2073504 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL24 Ex
- **Functional principle:** Through-beam system
- **Fiber-optic head design:** Threaded sleeve, 90° deflection
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber-optic cable cuttable:** ✓
- **Thread diameter (housing):** M4
- **Compatibility with infrared light (1,450 nm):** no

| Integrated lens | Angle of dispersion < 60° | Fiber length | Type | Part no. |
|---|---|---|---|---|
| No | No | 10,000 mm | LL3-TR0810000 | 5334038 |
| | | 2,000 mm | LL3-TV77 | 5326557 |
| Yes | Yes | 5,000 mm | LL3-TR095000 | 5336564 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL24 Ex
- **Functional principle:** Through-beam system
- **Fiber-optic head design:** Threaded sleeve, 90° deflection
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** plastic
- **Fiber-optic cable cuttable:** ✓
- **Thread diameter (housing):** M4
- **Integrated lens:** yes
- **Compatibility with infrared light (1,450 nm):** no
- **Angle of dispersion < 60°:** yes

| Fiber length | Type | Part no. |
|---|---|---|
| 10,000 mm | LL3-TV0510000 | 5337026 |
| 3,000 mm | LL3-TV05-3 | 5326073 |
| 5,000 mm | LL3-TV055000 | 5336527 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180
- **Functional principle:** Through-beam system
- **Fiber-optic head design:** Smooth sleeve, 90° deflection
- **Fiber material:** plastic
- **Jacket material:** chemical-resistant plastic
- **Fiber head material:** chemical-resistant plastic
- **Fiber-optic cable cuttable:** ✓
- **Smooth sleeve diameter:** 5 mm
- **Integrated lens:** yes
- **Compatibility with infrared light (1,450 nm):** no
- **Angle of dispersion < 60°:** yes

| Fiber length | Type | Part no. |
|---|---|---|
| 6,000 mm | LL3-TY036000 | 5336504 |
| 3,000 mm | LL3-TY03 | 5325982 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL24 Ex, WLL80
- **Functional principle:** Through-beam system
- **Fiber-optic head design:** Threaded sleeve, 90° deflection
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** stainless steel
- **Fiber-optic cable cuttable:** ✓

| Thread diameter (housing) | Integrated lens | Compatibility with infrared light (1,450 nm) | Angle of dispersion < 60° | Fiber length | Type | Part no. |
|---|---|---|---|---|---|---|
| M4 | No | No | No | 2,000 mm | LL3-TB06 | 5325916 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL24 Ex, WLL80
- **Functional principle:** Through-beam system
- **Fiber-optic head design:** Threaded sleeve, 90° deflection
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** plastic
- **Fiber-optic cable cuttable:** ✓
- **Thread diameter (housing):** M4
- **Integrated lens:** yes
- **Compatibility with infrared light (1,450 nm):** no
- **Angle of dispersion < 60°:** yes
- **Fiber length:** 2,000 mm

| Type | Part no. |
|---|---|
| LL3-TV05 | 5322546 |
| LL3-TV06 | 5322547 |
| LL3-TV07 | 5322548 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL80
- **Functional principle:** Through-beam system
- **Fiber-optic head design:** Smooth sleeve, 90° deflection
- **Fiber material:** glass
- **Jacket material:** stainless steel
- **Fiber head material:** brass
- **Smooth sleeve diameter:** 4 mm
- **Integrated lens:** yes
- **Compatibility with infrared light (1,450 nm):** yes
- **Angle of dispersion < 60°:** no
- **Fiber length:** 2,000 mm

| Type | Part no. |
|---|---|
| LL3-TH15 | 5325975 |
| LL3-TH16 | 5325976 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL80
- **Functional principle:** Through-beam system
- **Fiber-optic head design:** Smooth sleeve, 90° deflection
- **Fiber material:** glass
- **Jacket material:** stainless steel
- **Fiber head material:** stainless steel

| Smooth sleeve diameter | Integrated lens | Compatibility with infrared light (1,450 nm) | Angle of dispersion < 60° | Fiber length | Type | Part no. |
|---|---|---|---|---|---|---|
| 4 mm | No | Yes | No | 2,000 mm | LL3-TH07 | 5325977 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL24 Ex, WLL80
- **Functional principle:** Through-beam system
- **Fiber-optic head design:** Threaded sleeve, 90° deflection
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber-optic cable cuttable:** ✓
- **Thread diameter (housing):** M4
- **Compatibility with infrared light (1,450 nm):** no
- **Fiber length:** 2,000 mm

| Integrated lens | Angle of dispersion < 60° | Type | Part no. |
|---|---|---|---|
| No | No | LL3-TR08 | 5325984 |
| Yes | Yes | LL3-TR09 | 5325985 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL80
- **Functional principle:** Through-beam system
- **Fiber-optic head design:** Flat type
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** plastic
- **Fiber-optic cable cuttable:** ✓
- **Compatibility with infrared light (1,450 nm):** no

| Integrated lens | Angle of dispersion < 60° | Fiber length | Type | Part no. |
|---|---|---|---|---|
| No | No | 1,000 mm | LL3-TE02 | 5325910 |
| Yes | Yes | 2,000 mm | LL3-TR11 | 5325906 |
| | | 1,000 mm | LL3-TE01 | 5325807 |
| | | 2,000 mm | LL3-TR06 | 5325912 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL80
- **Functional principle:** Through-beam system
- **Fiber-optic head design:** Flat type, 90° deflection
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** plastic
- **Fiber-optic cable cuttable:** ✓
- **Compatibility with infrared light (1,450 nm):** no
- **Fiber length:** 2,000 mm

| Integrated lens | Angle of dispersion < 60° | Type | Part no. |
|---|---|---|---|
| No | No | LL3-TE04 | 5325911 |
| Yes | Yes | LL3-TR12 | 5325907 |
| | | LL3-TE03 | 5325908 |
| | | LL3-TR13 | 5325909 |
| | | LL3-TR05 | 5325808 |
| | | LL3-TE05 | 5325914 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL24 Ex, WLL80
- **Functional principle:** Through-beam system
- **Fiber-optic head design:** Threaded sleeve, Long end sleeve, Bendable sleeve
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** stainless steel
- **Fiber-optic cable cuttable:** ✓
- **Thread diameter (housing):** M4
- **Integrated lens:** no
- **Compatibility with infrared light (1,450 nm):** no
- **Angle of dispersion < 60°:** no
- **Fiber length:** 2,000 mm

| Type | Part no. |
|---|---|
| LL3-TB03S01 | 5344077 |
| LL3-TB03 | 5308056 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL80
- **Functional principle:** Through-beam system
- **Fiber-optic head design:** Threaded sleeve, Long end sleeve, 90° deflection
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** stainless steel
- **Fiber-optic cable cuttable:** ✓

| Thread diameter (housing) | Integrated lens | Compatibility with infrared light (1,450 nm) | Angle of dispersion < 60° | Fiber length | Type | Part no. |
|---|---|---|---|---|---|---|
| M3 | No | No | No | 2,000 mm | LL3-TV04 | 5308060 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL24 Ex, WLL80
- **Functional principle:** Through-beam system
- **Fiber-optic head design:** Smooth sleeve, 90° deflection
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** stainless steel
- **Fiber-optic cable cuttable:** ✓

| Smooth sleeve diameter | Integrated lens | Compatibility with infrared light (1,450 nm) | Angle of dispersion < 60° | Fiber length | Type | Part no. |
|---|---|---|---|---|---|---|
| 3 mm | No | No | No | 2,000 mm | LL3-TS08 | 5308061 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL24 Ex, WLL80
- **Functional principle:** Through-beam system
- **Fiber-optic head design:** 90° deflection
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** stainless steel
- **Fiber-optic cable cuttable:** ✓
- **Integrated lens:** yes
- **Compatibility with infrared light (1,450 nm):** no
- **Angle of dispersion < 60°:** yes
- **Fiber length:** 2,000 mm

| Type | Part no. |
|---|---|
| LL3-TS12 | 5308062 |
| LL3-TK16 | 5313038 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL80
- **Functional principle:** Through-beam system
- **Fiber-optic head design:** Threaded sleeve, Long end sleeve, Bendable sleeve
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** stainless steel
- **Fiber-optic cable cuttable:** ✓

| Thread diameter (housing) | Integrated lens | Compatibility with infrared light (1,450 nm) | Angle of dispersion < 60° | Fiber length | Type | Part no. |
|---|---|---|---|---|---|---|
| M3 | No | No | No | 2,000 mm | LL3-TB05 | 5325924 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL80
- **Functional principle:** Through-beam system
- **Fiber-optic head design:** Smooth sleeve
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** brass
- **Fiber-optic cable cuttable:** ✓

| Smooth sleeve diameter | Integrated lens | Compatibility with infrared light (1,450 nm) | Angle of dispersion < 60° | Fiber length | Type | Part no. |
|---|---|---|---|---|---|---|
| 3 mm | No | No | No | 500 mm | LL3-TP01 | 5325925 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL24 Ex
- **Functional principle:** Through-beam system
- **Fiber-optic head design:** Flat type, 90° deflection, Array
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** stainless steel
- **Fiber-optic cable cuttable:** ✓

| Compatibility with infrared light (1,450 nm) | Fiber length | Type | Part no. |
|---|---|---|---|
| No | 2,000 mm | LL3-TS05 | 5334043 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL24 Ex
- **Functional principle:** Through-beam system
- **Fiber-optic head design:** Flat type, 90° deflection, Array
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** brass
- **Fiber-optic cable cuttable:** ✓
- **Integrated lens:** no
- **Compatibility with infrared light (1,450 nm):** no
- **Angle of dispersion < 60°:** no

| Fiber length | Type | Part no. |
|---|---|---|
| 2,000 mm | LL3-TS11 | 5338673 |
| 5,000 mm | LL3-TS115000 | 5341038 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL24 Ex
- **Functional principle:** Through-beam system
- **Fiber-optic head design:** Flat type, 90° deflection, Array
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** plastic
- **Fiber-optic cable cuttable:** ✓

| Integrated lens | Compatibility with infrared light (1,450 nm) | Angle of dispersion < 60° | Fiber length | Type | Part no. |
|---|---|---|---|---|---|
| Yes | No | Yes | 5,000 mm | LL3-TS40-5 | 5328527 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL80
- **Functional principle:** Through-beam system
- **Fiber-optic head design:** Flat type, 90° deflection, Array
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** brass
- **Fiber-optic cable cuttable:** ✓
- **Integrated lens:** yes
- **Compatibility with infrared light (1,450 nm):** no
- **Angle of dispersion < 60°:** yes
- **Fiber length:** 2,000 mm

| Type | Part no. |
|---|---|
| LL3-TZ09 | 5326598 |
| LL3-TZ10 | 5326599 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL24 Ex, WLL80
- **Functional principle:** Through-beam system
- **Fiber-optic head design:** Flat type, 90° deflection, Array
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** brass
- **Fiber-optic cable cuttable:** ✓
- **Integrated lens:** no
- **Compatibility with infrared light (1,450 nm):** no
- **Angle of dispersion < 60°:** no
- **Fiber length:** 2,000 mm

| Type | Part no. |
|---|---|
| LL3-TS10 | 5308063 |
| LL3-TZ06 | 5325938 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL24 Ex, WLL80
- **Functional principle:** Through-beam system
- **Fiber-optic head design:** Flat type, Array
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** brass
- **Fiber-optic cable cuttable:** ✓
- **Integrated lens:** no
- **Compatibility with infrared light (1,450 nm):** no
- **Angle of dispersion < 60°:** no
- **Fiber length:** 2,000 mm

| Type | Part no. |
|---|---|
| LL3-TS14 | 5313039 |
| LL3-TZ05 | 5325937 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL24 Ex, WLL80
- **Functional principle:** Through-beam system
- **Fiber-optic head design:** Flat type, 90° deflection, Array
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** plastic
- **Fiber-optic cable cuttable:** ✓

| Integrated lens | Compatibility with infrared light (1,450 nm) | Angle of dispersion < 60° | Fiber length | Type | Part no. |
|---|---|---|---|---|---|
| Yes | No | Yes | 2,000 mm | LL3-TS40 | 5323971 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL24 Ex
- **Functional principle:** Proximity system

| Thread diameter (housing) | Integrated lens | Compatibility with infrared light (1,450 nm) | Fiber length | Type | Part no. |
|---|---|---|---|---|---|
| M10 | No | No | 3,000 mm | LL3-KX01 | 5343156 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180
- **Functional principle:** Through-beam system
- **Fiber-optic head design:** Threaded sleeve
- **Fiber material:** glass
- **Jacket material:** stainless steel
- **Fiber head material:** brass
- **Thread diameter (housing):** M4
- **Integrated lens:** no
- **Compatibility with infrared light (1,450 nm):** yes
- **Angle of dispersion < 60°:** no

| Fiber length | Type | Part no. |
|---|---|---|
| 5,000 mm | LL3-TH08-05 | 5329554 |
| 3,000 mm | LL3-TH08-3 | 5328051 |

- **Device type detail:** fiber suitable for WLL260
- **Functional principle:** Through-beam system

| Thread diameter (housing) | Integrated lens | Compatibility with infrared light (1,450 nm) | Angle of dispersion < 60° | Fiber length | Type | Part no. |
|---|---|---|---|---|---|---|
| M4 | No | Yes | No | 195 mm, 545 mm | LL3-TH08S01 | 5337056 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL24 Ex
- **Functional principle:** Through-beam system
- **Fiber-optic head design:** Threaded sleeve
- **Fiber material:** glass
- **Jacket material:** stainless steel
- **Fiber head material:** stainless steel

| Thread diameter (housing) | Integrated lens | Compatibility with infrared light (1,450 nm) | Angle of dispersion < 60° | Fiber length | Type | Part no. |
|---|---|---|---|---|---|---|
| M4 | No | No | No | 1,300 mm | LL3-TN011300 | 5338641 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180
- **Functional principle:** Through-beam system
- **Fiber-optic head design:** Threaded sleeve
- **Fiber material:** glass
- **Jacket material:** stainless steel
- **Fiber head material:** stainless steel
- **Thread diameter (housing):** M4
- **Integrated lens:** no
- **Compatibility with infrared light (1,450 nm):** yes
- **Angle of dispersion < 60°:** no

| Fiber length | Type | Part no. |
|---|---|---|
| 15,000 mm | LL3-TW0115000 | 2115488 |
| 2,000 mm | LL3-TW012000S03 | 5337904 |
| 3,000 mm | LL3-TW01-3 | 5326722 |
| | LL3-TW013000S04 | 5337905 |

| Fiber length | Type | Part no. |
|---|---|---|
| 4,000 mm | LL3-TW014000 | 5339218 |
| | LL3-TW014000S05 | 5337906 |
| 5,000 mm | LL3-TW015000 | 2081220 |
| | LL3-TW015000S06 | 5337907 |
| 1,000 mm | LL3-TW01 | 5315233 |
| 2,000 mm | LL3-TW01-2 | 5321306 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** WLL24 Ex
- **Functional principle:** Through-beam system
- **Fiber-optic head design:** Threaded sleeve
- **Fiber material:** glass
- **Jacket material:** stainless steel
- **Fiber head material:** stainless steel

| Thread diameter (housing) | Integrated lens | Compatibility with infrared light (1,450 nm) | Angle of dispersion < 60° | Fiber length | Type | Part no. |
|---|---|---|---|---|---|---|
| M4 | No | Yes | No | 2,000 mm | LL3-TW012000S01 | 2092707 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL80
- **Functional principle:** Through-beam system
- **Fiber-optic head design:** Threaded sleeve
- **Fiber material:** glass
- **Jacket material:** chemical-resistant plastic
- **Fiber head material:** brass

| Thread diameter (housing) | Integrated lens | Compatibility with infrared light (1,450 nm) | Angle of dispersion < 60° | Fiber length | Type | Part no. |
|---|---|---|---|---|---|---|
| M4 | No | Yes | No | 1,000 mm | LL3-TH10 | 5325970 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL80
- **Functional principle:** Through-beam system
- **Fiber-optic head design:** Threaded sleeve
- **Fiber material:** glass
- **Jacket material:** plastic
- **Fiber head material:** brass

| Thread diameter (housing) | Integrated lens | Compatibility with infrared light (1,450 nm) | Angle of dispersion < 60° | Fiber length | Type | Part no. |
|---|---|---|---|---|---|---|
| M4 | No | Yes | No | 1,000 mm | LL3-TH11 | 5325971 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL80
- **Functional principle:** Through-beam system
- **Fiber-optic head design:** Threaded sleeve
- **Fiber material:** glass
- **Jacket material:** stainless steel
- **Fiber head material:** brass
- **Thread diameter (housing):** M4
- **Integrated lens:** no
- **Compatibility with infrared light (1,450 nm):** yes
- **Angle of dispersion < 60°:** no
- **Fiber length:** 2,000 mm

| Type | Part no. |
|---|---|
| LL3-TH12 | 5325972 |
| LL3-TH13 | 5325973 |
| LL3-TH14 | 5325974 |
| LL3-TH08 | 5325978 |
| LL3-TH09 | 5325979 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL24 Ex, WLL80
- **Functional principle:** Through-beam system
- **Fiber-optic head design:** Smooth sleeve, Long end sleeve
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** plastic
- **Fiber-optic cable cuttable:** ✓

| Smooth sleeve diameter | Integrated lens | Compatibility with infrared light (1,450 nm) | Angle of dispersion < 60° | Fiber length | Type | Part no. |
|---|---|---|---|---|---|---|
| 3.7 mm | Yes | No | Yes | 2,000 mm | LL3-TG01 | 5325940 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL24 Ex, WLL80
- **Functional principle:** Through-beam system
- **Fiber-optic head design:** 90° deflection
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** plastic
- **Fiber-optic cable cuttable:** ✓

| Integrated lens | Compatibility with infrared light (1,450 nm) | Angle of dispersion < 60° | Fiber length | Type | Part no. |
|---|---|---|---|---|---|
| Yes | No | Yes | 2,000 mm | LL3-TG02 | 5325943 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL80
- **Functional principle:** Through-beam system
- **Fiber-optic head design:** 90° deflection
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber-optic cable cuttable:** ✓

| Integrated lens | Compatibility with infrared light (1,450 nm) | Angle of dispersion < 60° | Fiber length | Type | Part no. |
|---|---|---|---|---|---|
| Yes | No | Yes | 2,000 mm | LL3-TG04 | 5324499 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), GLL170(T), WLL180, WLL80
- **Functional principle:** Through-beam system
- **Fiber-optic head design:** 90° deflection, Smooth sleeve, 90° deflection
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** stainless steel
- **Fiber-optic cable cuttable:** ✓
- **Integrated lens:** yes
- **Compatibility with infrared light (1,450 nm):** no
- **Angle of dispersion < 60°:** yes
- **Fiber length:** 2,000 mm

| Type | Part no. |
|---|---|
| LL3-TS22 | 5325944 |
| LL3-TS22M | 5325968 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL24 Ex, WLL80
- **Functional principle:** Through-beam system
- **Fiber-optic head design:** Smooth sleeve
- **Fiber material:** plastic
- **Jacket material:** chemical-resistant plastic
- **Fiber head material:** chemical-resistant plastic
- **Fiber-optic cable cuttable:** ✓

| Smooth sleeve diameter | Integrated lens | Compatibility with infrared light (1,450 nm) | Angle of dispersion < 60° | Fiber length | Type | Part no. |
|---|---|---|---|---|---|---|
| 6 mm | Yes | No | Yes | 2,000 mm | LL3-TY01 | 5308066 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL24 Ex, WLL80
- **Functional principle:** Through-beam system
- **Fiber-optic head design:** 90° deflection
- **Fiber material:** plastic
- **Jacket material:** chemical-resistant plastic
- **Fiber head material:** chemical-resistant plastic
- **Fiber-optic cable cuttable:** ✓

| Smooth sleeve diameter | Integrated lens | Compatibility with infrared light (1,450 nm) | Angle of dispersion < 60° | Fiber length | Type | Part no. |
|---|---|---|---|---|---|---|
| 6 mm | Yes | No | Yes | 2,000 mm | LL3-TY02 | 5308067 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180, WLL24 Ex, WLL80
- **Functional principle:** Through-beam system
- **Fiber-optic head design:** Flat type, 90° deflection
- **Fiber material:** plastic
- **Jacket material:** chemical-resistant plastic
- **Fiber head material:** chemical-resistant plastic
- **Fiber-optic cable cuttable:** ✓

| Integrated lens | Compatibility with infrared light (1,450 nm) | Angle of dispersion < 60° | Fiber length | Type | Part no. |
|---|---|---|---|---|---|
| Yes | No | Yes | 2,000 mm | LL3-TY05 | 5325980 |

- **Device type detail:** fiber suitable for WLL260
- **For fiber-optic sensor:** GLL170(T), WLL180
- **Functional principle:** Through-beam system
- **Fiber-optic head design:** special design
- **Fiber material:** plastic
- **Jacket material:** plastic
- **Fiber head material:** plastic
- **Fiber-optic cable cuttable:** ✓

| Integrated lens | Compatibility with infrared light (1,450 nm) | Fiber length | Type | Part no. |
|---|---|---|---|---|
| Yes | No | 2,000 mm | LL3-TF01 | 5324242 |

- **Device type detail:** Adapter lens for proximity fibers
- **Functional principle:** Proximity system

| Thread diameter (housing) | Type | Part no. |
|---|---|---|
| M3 | LL3-DA01 | 5308127 |
| | LL3-DA02 | 5308130 |
| | LL3-DA03 | 5326465 |
| | LL3-DA04 | 5326466 |
| | LL3-DA08 | 5334039 |
| M4 | LL3-DA05 | 5326467 |
| | LL3-DA06 | 5326468 |
| | LL3-DA07 | 5326469 |
| | LL3-DA09 | 5334040 |

- **Device type detail:** Tip adapter for fiber through-beam system
- **Functional principle:** Through-beam system

| Thread diameter (housing) | Type | Part no. |
|---|---|---|
| M2.6 | LL3-TA01 | 5308128 |
| | LL3-TA01IR | 5328271 |
| | LL3-TA01S | 5326461 |
| | LL3-TA02 | 5308129 |
| | LL3-TA03 | 5326462 |
| | LL3-TA05 | 5326464 |
| | LL3-TA06 | 5338873 |
| | LL3-TA07 | 5338642 |
| | LL3-TA08 | 5345738 |
| M4 | LL3-TA04 | 5326463 |

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