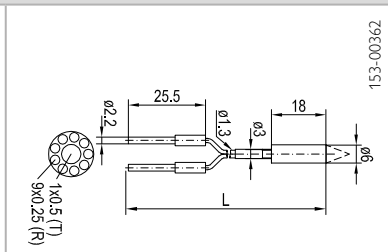
Fibre-optic cables – with focused optics

Fibre-optic cable	Proximity sensor (T) Photoelectric sensor (L)	Typical scanning distance/range	Light exit	Special features	For fibre-optic sensors
LLK1RD8V6-PE-1m	T	8 mm	Axial	• 8 mm operating distance • Very good small-part detection • Small light spot	FL 70
LLK1RD12V6-PE-1m	T	12 mm	Axial	• 12 mm operating distance • Very good small-part detection • Small light spot	FL 70
LLK1RD20V6-PE-1m	T	16 mm	Axial	• 16 mm operating distance • Very good small-part detection • Small light spot	FL 70
LLK1RVV6-PE-1m	T	8 … 20 mm	Axial	• Very good small-part detection • Scanning distance and light spot size , adjustable from 8 to 20 mm	FL 70
LLK2LV6-PE-1m	L	> 2000 mm	Axial	• Very long range	FL 70 / FL 20

LLK1RD8V6 PE-1m fibre-optic cable



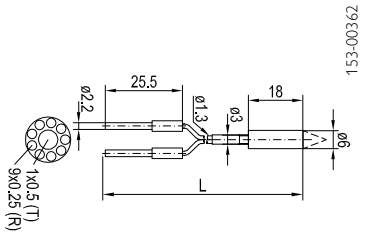
Highlights

- Photoelectric proximity sensor
- Focused light spot at distance of 8.5 mm
- For small-part detection
- Fibre length individually cutable
- For FL 70 devices

Design Light exit	FL 70 typ. scanning distance (mm) Standard / Fine / High	Fibre arrange-ment	Suitable for ancillary lens	Core fibre Ø (mm) (T = Transmitter; R = Receiver) Material	Sheath material	Ambient temperature (rigid installation)	Fibre bending radius (mm)	Cable length	Collar bushing / ancillary optics	LS (mm)
Coaxial, focused 8 mm, spot Ø 0.6 mm	8 / 8 / 8	See drawing	–	9 × 0.25 (R) 1 × 0.5 (T) PMMA	Polyethylene (PE)	-40 … +60 °C	15	1 m Cutable	Ø 6 mm Aluminium	–

Part number	Article number
LLK1RD8V6 PE-1m	951-50009

LLK1RD12V6 PE-1m fibre-optic cable



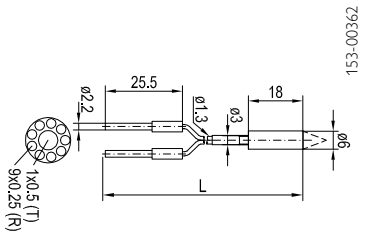
Highlights

- Photoelectric proximity sensor
- Focused light spot at distance of 12.5 mm
- For small-part detection
- Fibre length individually cutable
- For FL 70 devices

Design Light exit	FL 70 typ. scanning distance (mm) Standard / Fine / High	Fibre arrange-ment	Suitable for ancillary lens	Core fibre Ø (mm) (T = Transmitter; R = Receiver) Material	Sheath material	Ambient temperature (rigid installation)	Fibre bending radius (mm)	Cable length	Collar bushing / ancillary optics	LS (mm)
Coaxial, focused 12 mm, spot Ø 0.7 mm	12 / 12 / 12	See drawing	–	9 x 0.25 (R) 1 x 0.5 (T) PMMA	Polyethylene (PE)	-40 … +60 °C	15	1 m Cutable	Ø 6 mm Aluminium	–

Part number	Article number
LLK1RD12V6 PE-1m	951-50010

LLK1RD20V6 PE-1m fibre-optic cable



Highlights

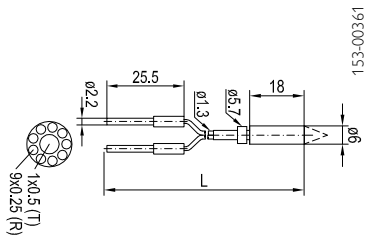
- Photoelectric proximity sensor
- Focused light spot at distance of 16 mm
- For small-part detection
- Fibre length individually cutable
- For FL 70 devices

Design Light exit	FL 70 typ. scanning distance (mm) Standard / Fine / High	Fibre arrange-ment	Suitable for ancillary lens	Core fibre Ø (mm) (T = Transmitter; R = Receiver) Material	Sheath material	Ambient temperature (rigid installation)	Fibre bending radius (mm)	Cable length	Collar bushing / ancillary optics	LS (mm)
Coaxial, focused 16 mm, spot Ø 1.3 mm	16 / 16 / 16	See drawing	–	9 x 0.25 (R) 1 x 0.5 (T) PMMA	Polyethylene (PE)	-40 … +60 °C	15	1 m Cutable	Ø 6 mm Aluminium	–

Part number	Article number
LLK1RD20V6 PE-1m	951-50011

Fibre-optic cables – with focused optics

LLK1RVV6-PE-1m fibre-optic cable



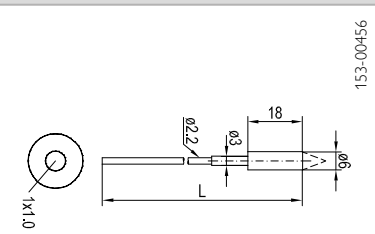
Highlights

- Photoelectric proximity sensor
- Focal distance of light spot adjustable between 8 – 20 mm
- For small-part detection
- Fibre length individually cutable
- For FL 70 devices

Design Light exit	FL 70 typ. scanning distance (mm) Standard / Fine / High	Fibre arrange-ment	Suitable for ancillary lens	Core fibre Ø (mm) (T = Transmitter; R = Receiver) Material	Sheath material	Ambient temperature (rigid installation)	Fibre bending radius (mm)	Cable length	Collar bushing / ancillary optics	LS (mm)
Coaxial, variable focus 8-20 mm, spot Ø 0.6-1.3 mm	8-20 / 8-20 / 8-20	See drawing	–	9 x 0.25 (T) 1 x 0.5 (R) PMMA	Polyethylene (PE)	-40 … +60 °C	15	1 m Cutable	Ø 6 mm Aluminium	–

Part number	Article number
LLK1RVV6-PE-1m	951-50008

LLK2LV6-PE-1m fibre-optic cable



Highlights

- Through-beam photoelectric sensor
- Expanded range due to ancillary lens
- Fibre length individually cutable
- For FL 70/FL 20 devices

Design Light exit	FL 70 typ. scanning distance (mm) Standard / Fine / High	FL 20 typ. scanning distance (mm) Default setting	Fibre arrange-ment	Suitable for ancillary lens	Core fibre Ø (mm) (T = Transmitter; R = Receiver) Material	Sheath material	Ambient temperature (rigid installation)	Fibre bending radius (mm)	Cable length	Collar bushing / ancillary optics	LS (mm)
Axial, collimation optics	> 2000 / > 2000 / > 2000	1000	See drawing	–	1 x 1.0 (T) 1 x 1.0 (R) PMMA	Polyethylene (PE)	-40 … +60 °C	25	1 m Cutable	Ø 6 mm Aluminium	–

Part number	Article number
LLK2LV6-PE-1m	950-50006