

**974X.XX.XXX**



### For industry, R&D and test facilities

- ➔ Robust design for indoor and outdoor applications
- ➔ Various plug combinations
- ➔ Suitable for MICRONOR series MR32X, MR34X, MR38
- ➔ Special solutions also available

### Product description

Optical connection cable to all MICRONOR sensors and transmission modules.

### Application / Advantages / System Planning

---

Rotary encoder, signal transmission from fiber optic sensors.



**974X.XX.XXX**



**Cable types / fiber diameter**

Order number	Picture	Description	Use cases / specification
0		<b>Fiber diameter 62.5/125 MMF, Type OM1 Fiber</b> Cable sheath PVC Outer diameter: 2x2.0mm (max.) Number of cores: 2	- Indoor - Temperature range: -20 °C to +60 °C
1		<b>Faserdurchmesser 9/125 SMF, Type OS1 Fiber</b> Cable sheath PVC Outer diameter: 2x2.0mm (max.) Number of cores: 2	- Indoor - Temperature range: -20 °C to +60 °C
2		<b>Fiber diameter 62.5/125 MMF, Type OM1 Fiber</b> Cable sheath FRNC Outer diameter: 8.7mm Number of cores: 4	- Indoor / Outdoor - High voltage applications - Railroad area - High voltage laboratories - Halogen free - Tensile force max. 800N - Temperature range: -25 °C to +70 °C - Bending radius: min. 120mm
3		<b>Fiber diameter 62.5/125 MMF, Type OM1 Fiber</b> Cable sheath LSOH Outer diameter: 4.8mm Number of cores: 2	- Indoor / Outdoor - Halogen free - Tractive force max. 500N - Temperature range: -40 °C to +75 °C - Bending radius: min. 72mm
4		<b>Faserdurchmesser 9/125 SMF, Type OS1 Fiber</b> Cable sheath LSOH Outer diameter: 4.8mm Number of cores: 2	- Indoor / Outdoor - Halogen free - Tractive force max. 500N - Temperature range: -40 °C to +75 °C - Bending radius: min. 72mm

**Connector types**

Order number	Picture	Description
0		LC PC Duplex Ferrule diameter 1.25mm Protection class: IP50 Lifetime: 100 mating
1*		IP-LC Ferrule diameter 1.25mm Protection class: IP68 Lifetime: 50 mating

\*Suitable for cable types 2/3/4 only

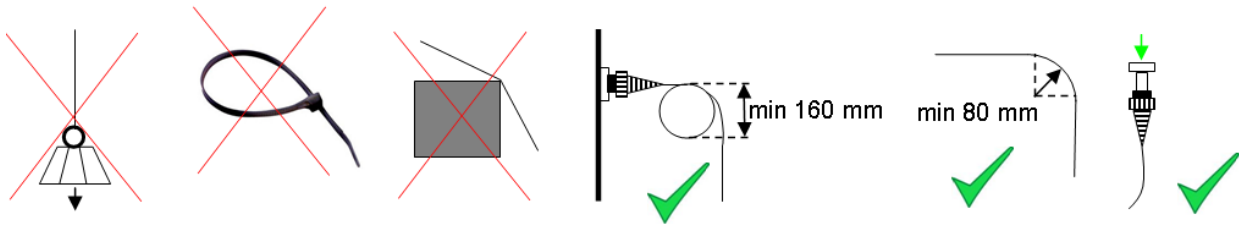
974X.XX.XXX



### General installation instructions

The optical fibers must always be handled with care and must not be bent under any circumstances. When bending the fiber, a minimum bending radius of 80mm must be observed.

Failure to do so may cause the fiber to break, resulting in the system being unable to measure correctly or at all. The fiber must be stress-free but firmly attached, moving the fiber can generate signal interference.



- Do not apply tensile force to the cable
- Do not fasten cable with cable ties
- Do not bend the cable
- If the cable is bent, a bending radius of at least 80mm must be maintained
- Always protect the plug with a protective cap



**974X.XX.XXX**



Order code

		<b>974</b>	x	x	<b>0.</b>	x	x	x
<b>Connector Side A</b>								
0	LC Duplex							
1	IP-LC / ODVA <i>(Only combinable with cable type 2/3/4)</i>							
<b>Connector Side B</b>								
0	LC Duplex							
1	IP-LC / ODVA <i>(Only combinable with cable type 2/3/4)</i>							
0	-							
<b>Cable type / fiber diameter</b>								
0	Standard Fig. 8	62.5/125 MMF, Type OM1 Fiber						
1	Standard Fig. 8	9/125 SMF, Type OS1 Fiber						
2	FRNC	62.5/125 MMF, Type OM1 Fiber						
3	LSOH	62.5/125 MMF, Type OM1 Fiber						
4	LSOH	9/125 SMF, Type OS1 Fiber						
<b>Cable lengths</b>								
0	1m							
1	5m							
2	10m							
3	20m							
4	30m							
5	40m							
6	50m							
7	80m							
8	90m							
9	100m							
<b>Adapter</b>								
0	without Adapter							
1	LC Duplex on LC Duplex							
2	IPLC on IPLC (ODVA)							

Accessories

Order number	Picture	Description
9350.03.085 MR320C		Adapter LC Duplex / LC Duplex
		Suitable for connector type 0
6099.28.449 MR320D		Adapter IP-LC on IP-LC
		Suitable for plug type 1