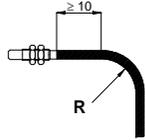


OF SERIES INSTRUCTION MANUAL

INSTALLATION



Don't bend the fibre-optics below the specified minimum bending radius (R).
Coaxial fibres: insert the central fibre into the emitter hole and the peripheral fibres into the receiver hole.

Use the AF5 adapter to connect thin fibre-optics $\varnothing 1$ mm.
Use the AF11 cutting tool to cut the fibres to the desired length.
Cutting fibres may reduce the operating range.
Always use cutting tools with the blade in perfect conditions.

Fibres models	Efficiency
OF-xx-HT	70%
OF-xx-XF	90%
OF-xx-UF	90%
OF-xx-HP	125%
OF-xx-CL	65%
OF-xx-TN	35%

Normalized operating range relative to $\varnothing 2.2$ mm fibres (OF-xx-ST).

Maximum torque

M3 nut	M4 nut	M6 nut
0.6 N·m	0.8 N·m	1.0 N·m

Materials

Optical fibres	Sheath	Tips
PMMA	PE	Nickel-plated brass

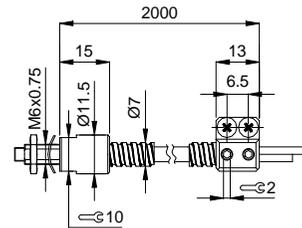


Never apply excessive mechanical stresses to the fibres.
Never use organic solvents.

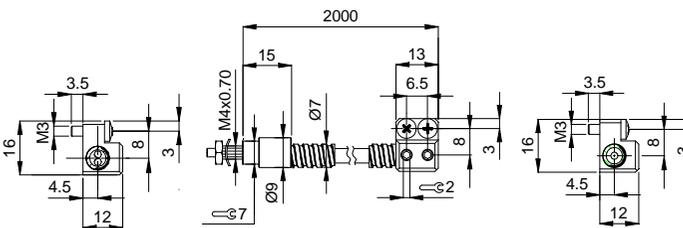
Model	Function	Length (m)	\varnothing Sheath (mm)	\varnothing Fibres (mm)	Bendable sleeve	Tips	Temp. (°C)	R (> mm)	Accessories
OF-18ST-10	Proximity	1	2.2	1	-	M6 x 1	-30 ... 60	25	-
OF-19ST-10	E/R	1	2.2	1	-	M4 x 0.7	-30 ... 60	25	-
OF-20CL-20	Proximity	2	2.2	1	-	M6 x 1	-30 ... 60	25	-
OF-21CL-20	E/R	2	2.2	1	-	M4 x 0.7	-30 ... 60	25	-
OF-22ST-20	Proximity	2	2.2	1	90 mm \varnothing 2.5	M6 x 1	-30 ... 60	25	-
OF-23ST-20	E/R	2	2.2	1	90 mm \varnothing 1.3	M4 x 0.7	-30 ... 60	25	-
OF-24ST-20	Proximity	2	2.2	1	-	M4 x 0.7	-30 ... 60	25	-
OF-25TN-10	E/R	1	1	0.5	-	M2 x 0.4	-30 ... 60	10	AF5
OF-26TN-10	Proximity	1	1	0.5	-	M3 x 0.5	-30 ... 60	10	AF5
OF-28TN-10	Proximity	1	1	0.5	90 mm \varnothing 1.3	M3 x 0.5	-30 ... 60	10	AF5
OF-36ST-20	Coaxial prox.	2	2.2	1 x $\varnothing 1$	-	M6 x 1	-30 ... 60	25	-
OF-36XF-20				16 x $\varnothing 0.25$				5	
OF-38ST-20	Proximity	2	2.2	1	-	15 mm \varnothing 2.5	-30 ... 60	25	-
OF-42ST-20	Proximity	2	2.2	1	-	M6 x 0.75	-30 ... 60	25	AF7
OF-42HT-20				1			-30 ... 125	25	
OF-42UF-20				1			-30 ... 60	2	
OF-42HP-20				1.5			-30 ... 60	25	
OF-43ST-20	E/R	2	2.2	1	-	M4 x 0.7	-30 ... 60	25	AF1
OF-43HT-20				1			-30 ... 125	25	
OF-43UF-20				1			-30 ... 60	2	
OF-43HP-20				1.5			-30 ... 60	25	
OF-44ST-20	Coaxial prox.	2	2.2	1 x $\varnothing 1$	-	M4 x 0.7	-30 ... 60	25	AF3
OF-44XF-20				16 x $\varnothing 0.25$			5		

ACCESSORY DIMENSIONS

AF7



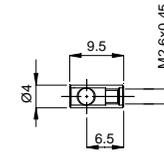
AF9



Protective metal sheath.

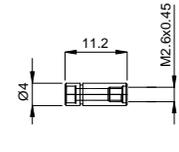
Length: 2m, sheath: steel stainless, tips: aluminium

AF1



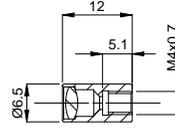
Radial mirror

AF2



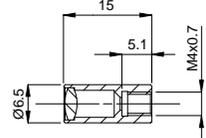
Long distance lens

AF3



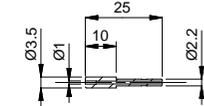
High resolution lens
Spot size \varnothing 4 mm to 19 mm

AF4



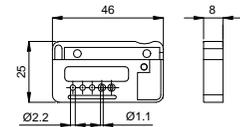
High resolution lens
Spot size \varnothing 4 mm to 7 mm

AF5



Thin fibres adapter (from $\varnothing 1$ mm to $\varnothing 2.2$ mm)

AF11



Cutting tool for $\varnothing 2.2$ mm and $\varnothing 1$ mm fibres

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