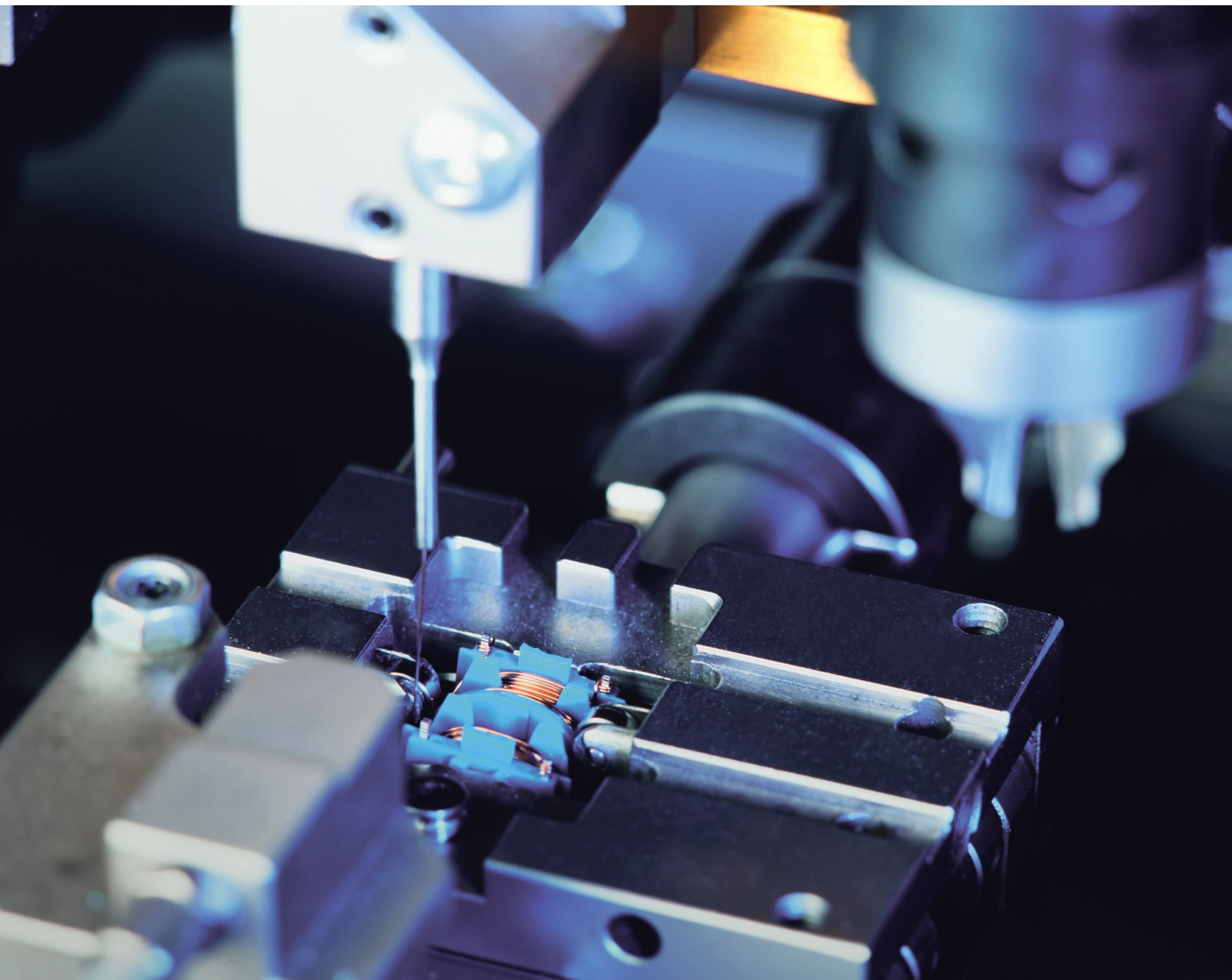


# Fiber-Optic Cables



# Fiber Optic Cable Combination

## Choose your individual Glass Fiber Optic Cable

**1** First you have to choose the required range.  
If you cannot find a suitable range please change to another Fiber bundle diameter. The range depends on the length of the Fiber optic cable and the switching range of the chosen wenglor sensor.

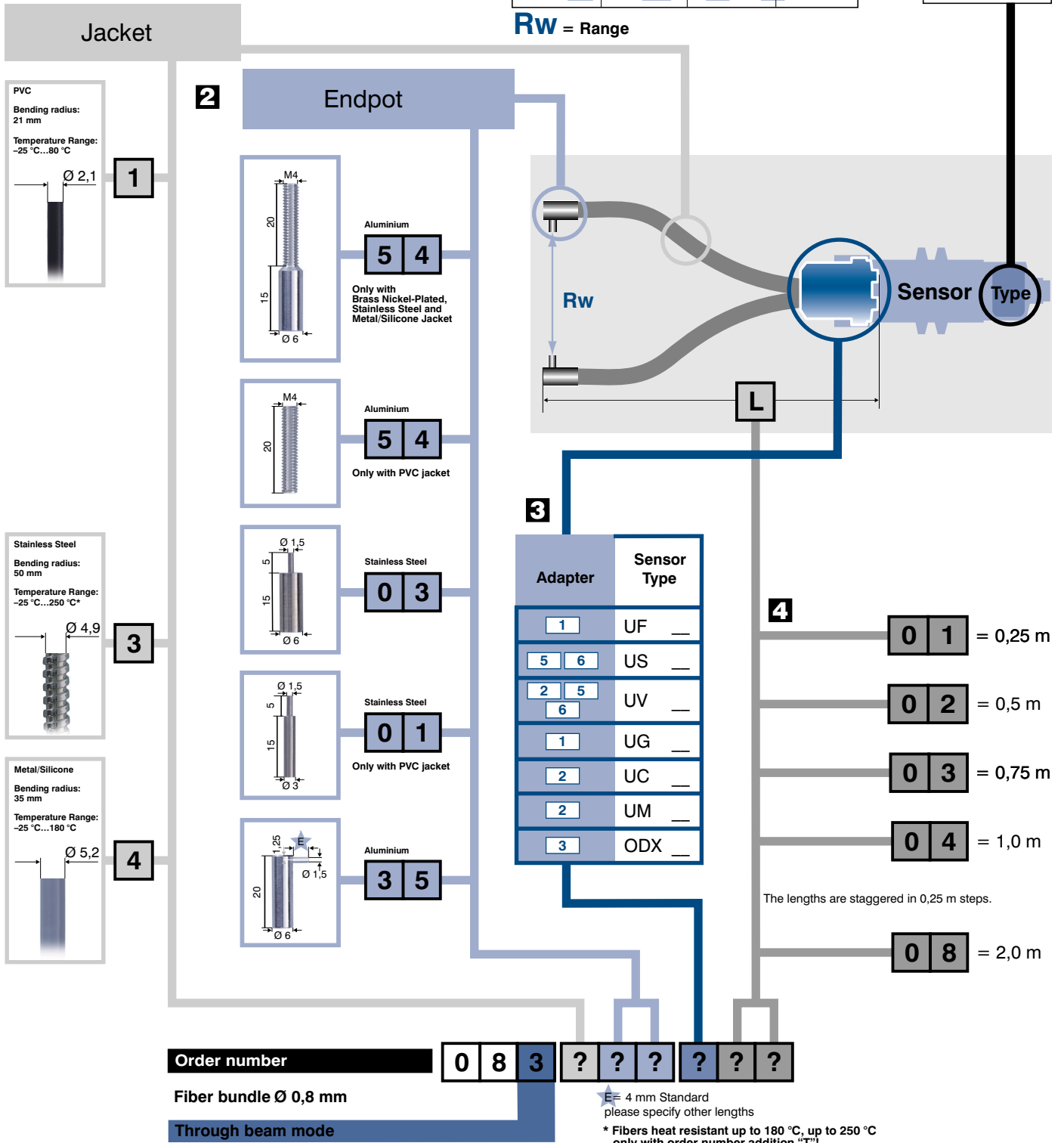
**2** Choose the jacket and the endpoint.

**3** Choose the right adapter for your wenglor sensor.

**4** Choose the length of the Fiber arm (in 0,25 m steps).

Fiber optic length			
2,0 m	1,5 m	1,0 m	0,5 m
180 mm	210 mm	240 mm	270 mm
120 mm	140 mm	160 mm	180 mm
60 mm	70 mm	80 mm	90 mm
30 mm	35 mm	40 mm	45 mm
120 mm	123 mm	126 mm	130 mm

1	Sensor Type
←	U_ 87
←	U_ 88
←	U_ 66
←	U_ 55
←	ODX



# Fiber Optic Cable Combination

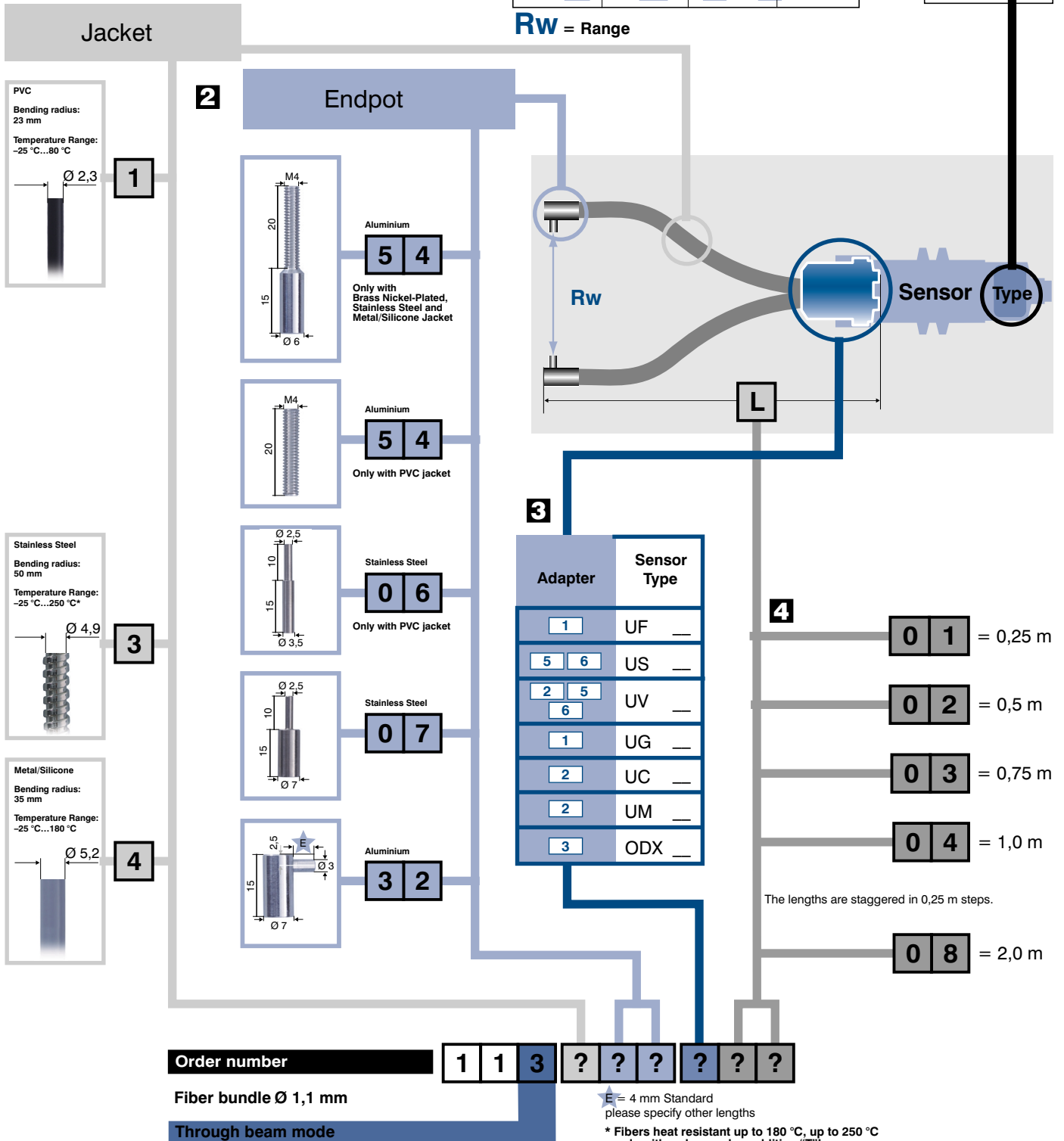
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Fiber optic length			
2,0 m	1,5 m	1,0 m	0,5 m
480 mm	510 mm	540 mm	600 mm
320 mm	340 mm	360 mm	400 mm
160 mm	170 mm	180 mm	200 mm
80 mm	85 mm	90 mm	100 mm
360 mm	370 mm	380 mm	400 mm

Sensor Type	
←	U_ 87 _
←	U_ 88 _
←	U_ 66 _
←	U_ 55 _
←	ODX

**Rw** = Range



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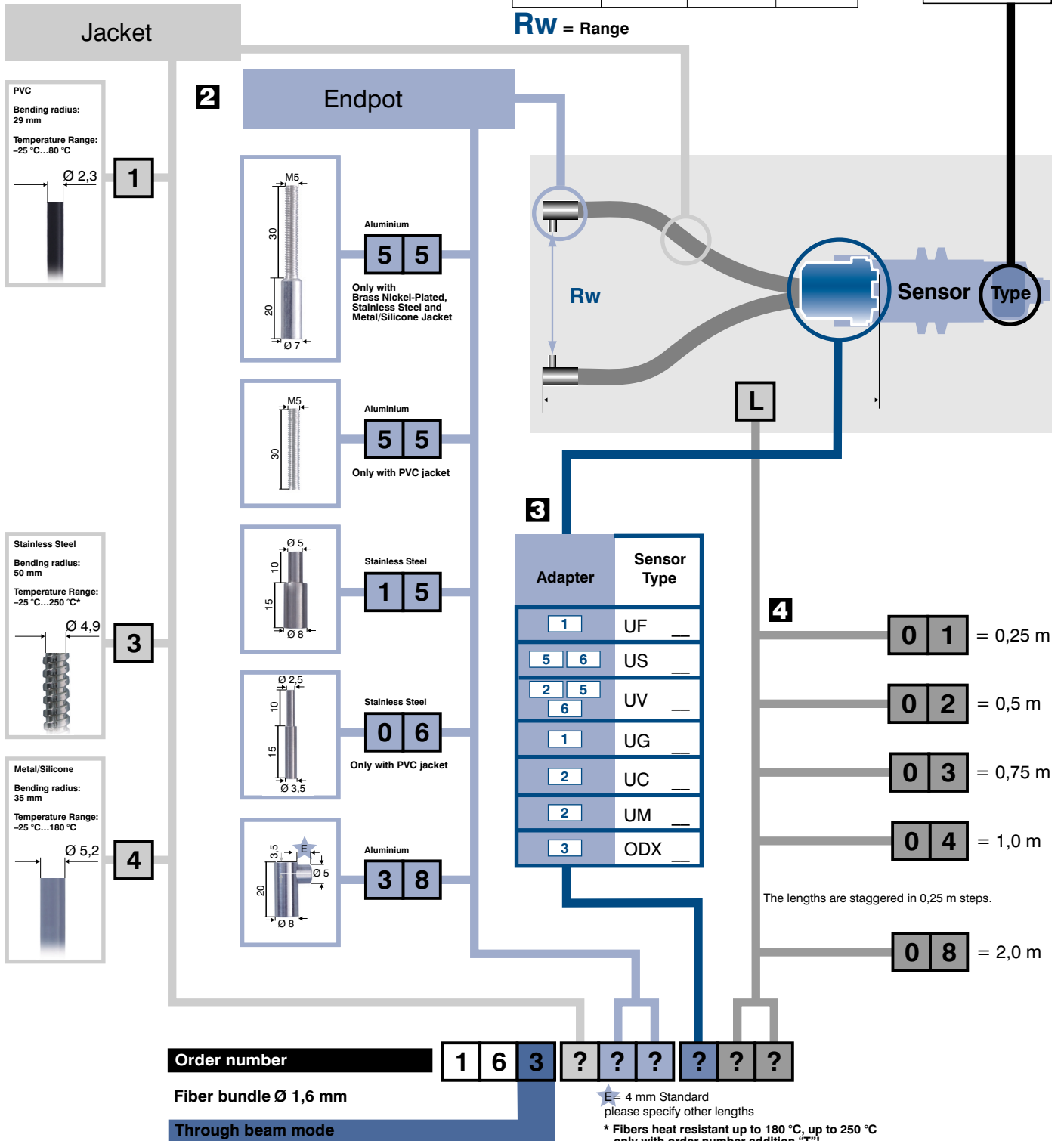
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Fiber optic length			
2,0 m	1,5 m	1,0 m	0,5 m
1020 mm	1140 mm	1260 mm	800 mm
680 mm	760 mm	840 mm	800 mm
340 mm	380 mm	420 mm	460 mm
170 mm	190 mm	210 mm	230 mm
450 mm	460 mm	480 mm	500 mm

Sensor Type	
←	U_ 87 _
←	U_ 88 _
←	U_ 66 _
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Rw = Range



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Fiber optic length				
5,0 m	4,0 m	3,0 m	2,0 m	1,0 m
2100 mm	2340 mm	2580 mm	2820 mm	1800 mm
1400 mm	1560 mm	1720 mm	1880 mm	1800 mm
700 mm	780 mm	860 mm	940 mm	1000 mm
350 mm	390 mm	430 mm	470 mm	500 mm

Sensor Type	
←	U_ 87 _
←	U_ 88 _
←	U_ 66 _
←	U_ 55 _

**Rw = Range**

### Jacket

**1** PVC

Bending radius: 40 mm

Temperature Range: -25 °C...80 °C

Ø 4,0

**3** Stainless Steel

Bending radius: 60 mm

Temperature Range: -25 °C...250 °C

Ø 5,9

**4** Metal/Silicone

Bending radius: 50 mm

Temperature Range: -25 °C...180 °C

Ø 7,5

### Endpoint

**5 6** Aluminium

Only with Brass Nickel-Plated, Stainless Steel and Metal/Silicone Jacket

**5 6** Stainless Steel

Only with PVC jacket

**2 1** Stainless Steel

**1 0** Aluminium

Only with PVC jacket

**3 7** Stainless Steel

### Adapter

Adapter	Sensor Type
<b>1</b>	UF _
<b>5 6</b>	US _
<b>2 5</b> <b>6</b>	UV _
<b>1</b>	UG _
<b>2</b>	UC _
<b>2</b>	UM _

**2** Not with Metal/Silicone  
**5** Only with PVC jacket

### Length Selection

<b>0 1</b>	= 0,25 m
<b>0 2</b>	= 0,5 m
<b>0 3</b>	= 0,75 m
<b>0 4</b>	= 1,0 m
The lengths are staggered in 0,25 m steps.	
<b>1 6</b>	= 4,0 m

### Order number

<b>2</b>	<b>3</b>	<b>3</b>	?	?	?	?	?	?
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Fiber bundle Ø 2,3 mm

Through beam mode

★ E = 4 mm Standard  
please specify other lengths

\* Fibers heat resistant up to 180 °C, up to 250 °C  
only with order number addition "T"!

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Fiber optic length				
5,0 m	4,0 m	3,0 m	2,0 m	1,0 m
3600 mm	4080 mm	4500 mm	3800 mm	1800 mm
2400 mm	2720 mm	3000 mm	3200 mm	1800 mm
1200 mm	1360 mm	1500 mm	1600 mm	1700 mm
600 mm	680 mm	750 mm	800 mm	850 mm

Sensor Type	
←	U_ 87 _
←	U_ 88 _
←	U_ 66 _
←	U_ 55 _

