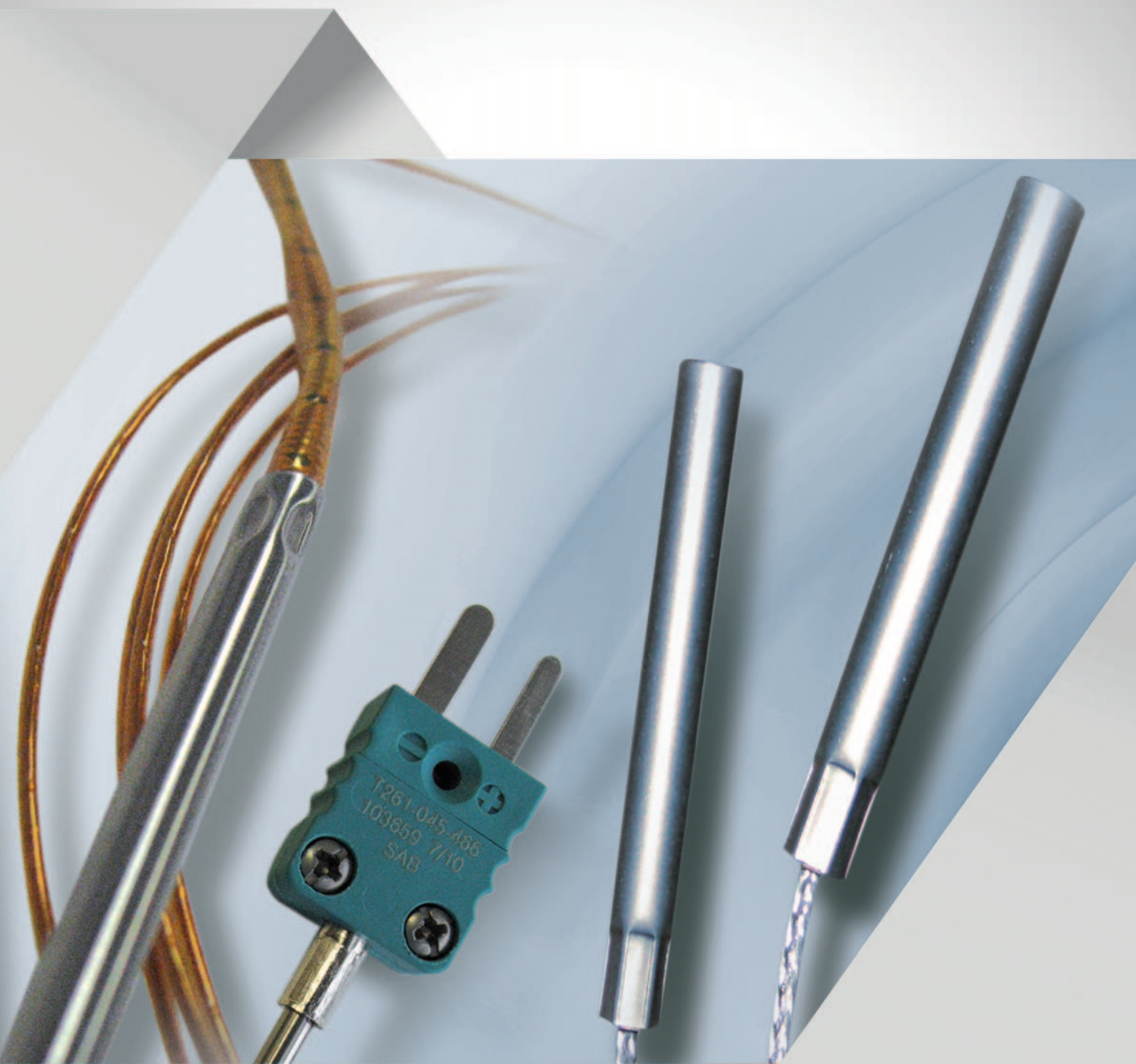


# PROBE WITH STAINLESS STEEL SLEEVE



## FAMILY BUSINESS IN THE THIRD GENERATION

**75** years of experience in cable and wire manufacturing as well as in temperature measurement technology turned a one-man business into a company with more than 550 employees. We prove our strength every year with more than 1500 special products according to customers' requirements. Each product is a new challenge for our creative technical team. We at **SAB** see ourselves as a manufacturer and a service provider – in the sense of true partnership and the greatest possible customer orientation.

Today, the quality of our products is known and appreciated in more than 100 countries around the world. In all product ranges, we are certified according to DIN EN ISO 9001. Furthermore, we have implemented an environmental management system for our company according to DIN EN ISO 14001, an occupational health and safety management system according to NLF/ILO-OSH and DIN ISO 45001, and an energy management system according to DIN EN ISO 50001.

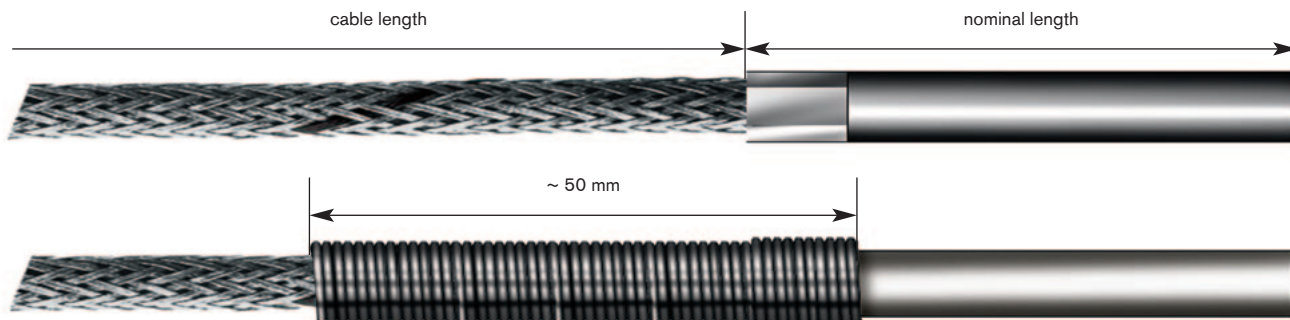
And also for the future, our slogan is: **"WE GO FORWARD!"**

FOUNDED:	1947 by Peter Bröckskes sen. an independent, medium-sized company.
CEO:	Peter Bröckskes and Sabine Bröckskes-Wetten
PLANT/LOCATION:	In Viersen (Lower Rhine) 110.000 m² company site.  Own manufacturing from copper conductor to outer sheath.  VDE approved burnchamber and laboratory within the company.
EMPLOYEES/WORKERS:	Approx. 430 at the plant in Viersen, 550 worldwide
YEARLY SALES:	Approx. 134 Mio. € worldwide
PRODUCTS:	Special Cables  Measurement Technology  Cable Harnessing
CERTIFICATES AND APPROVALS:	<p>Quality management system acc. to DIN EN ISO 9001 for every manufacturing field</p> <p>Environmental management system acc. to DIN EN ISO 14001</p> <p>Occupational health and safety management acc. to NLF/ILO-OSH and DIN ISO 45001</p> <p>Energy management system acc. to DIN EN ISO 50001</p>



# PROBE WITH STAINLESS STEEL SLEEVE

## THERMO PROBE WITH CONNECTION CABLE T221-228



connection cable	construction	temperature
<input type="checkbox"/> TH 22 LRV 0,22 mm <sup>2</sup>	strand/fiber glass/fiber glass/stainless steel wire armouring	+400°C
<input type="checkbox"/> TH 22 LTV 0,22 mm <sup>2</sup>	strand/PFA/fiber glass/stainless steel wire armouring	+250°C
<input type="checkbox"/> TH DRR 0,50 mmØ	wire/fiber glass/fiber glass	+400°C
<input type="checkbox"/> TH 22 LTT 0,22 mm <sup>2</sup>	strand/PFA/PFA	+250°C

### Thermocouple:

- ☐ 1 x type L
- ☐ 2 x type L
- ☐ 1 x type J
- ☐ 2 x type J
- ☐ 1 x type K
- ☐ 2 x type K
- ☐ other thermocouples: \_\_\_\_\_

type J and K acc. to DIN EN 60584

type L acc. to DIN 43710

### Sleeve-Ø:

- ☐ 3,5 mm
- ☐ 4,0 mm
- ☐ 5,0 mm
- ☐ 6,0 mm
- ☐ 7,0 mm
- ☐ 8,0 mm
- ☐ other construction: \_\_\_\_\_

### Type of cable ends:

- ☐ bare ends
- ☐ end sleeve
- ☐ cable lugs M4
- ☐ other cable ends: \_\_\_\_\_

### Connection cable:

- ☐ 1,0 mm
- ☐ 1,5 mm
- ☐ 2,0 mm
- ☐ 2,5 mm
- ☐ 3,0 mm
- ☐ 4,0 mm
- ☐ 5,0 mm
- ☐ 10,0 mm
- ☐ other cable length: \_\_\_\_\_

### Type of measuring tip:

- ☐ Form A, insulated measuring tip
- ☐ Form B, welded measuring tip

### Kink protection:

- ☐ with kink protection
- ☐ with fiber glass tube
- ☐ with heat shrinkable sleeve

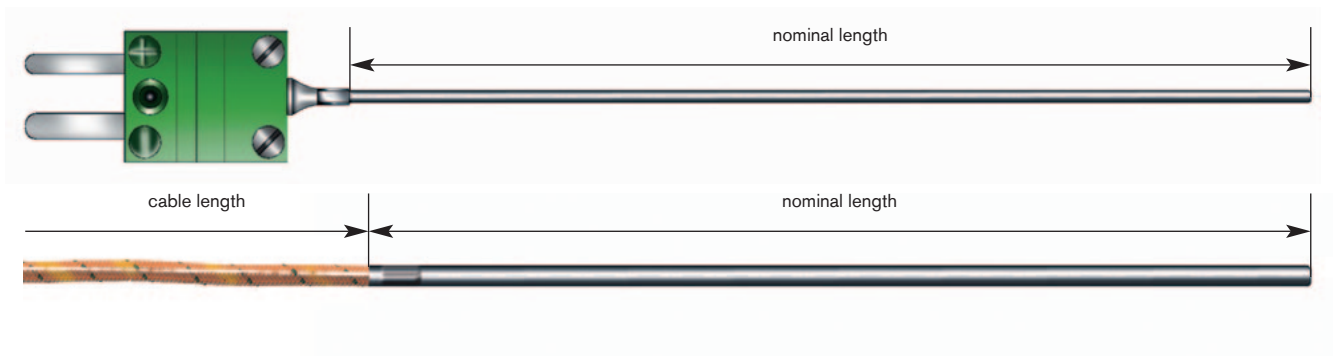
Nominal length: \_\_\_\_\_ mm



- bent type also available!
- with plate 8 x 15 mm, hole Ø 5 mm
- smaller diameters on request!

# PROBE WITH STAINLESS STEEL SLEEVE

## PLUG-IN THERMOCOUPLE WITH CONNECTION CABLE T260



connection cable	construction	temperature
<input type="checkbox"/> THEL 0,22 mm <sup>2</sup>	strand/fiber glass/fiber glass/Pi foil	+400°C
<input type="checkbox"/> THEL 0,22 mmØ	wire/Pi foil/Pi foil, bare wire (+ leg)	+400°C

### Thermocouple:

- ☐ 1 x type L
- ☐ 1 x type J
- ☐ 1 x type K
- ☐ other thermocouples: \_\_\_\_\_

type J and K acc. to DIN EN 60584

type L acc. to DIN 43710

### Sleeve-Ø:

- ☐ 1,5 mm (only possible with THEL 0,20 mmØ)
- ☐ 3,0 mm

### Type of cable ends:

- ☐ bare ends
- ☐ cable lugs M4
- ☐ end sleeve
- ☐ miniature plug
- ☐ miniature sockets
- ☐ other cable ends: \_\_\_\_\_

### Connection cable:

- ☐ 1,0 mm
- ☐ 1,5 mm
- ☐ 2,0 mm
- ☐ 2,5 mm
- ☐ 3,0 mm
- ☐ 4,0 mm
- ☐ 5,0 mm
- ☐ 10,0 mm
- ☐ other cable length: \_\_\_\_\_

### Type of measuring tip:

- ☐ Form A, insulated measuring tip
- ☐ Form B, welded measuring tip

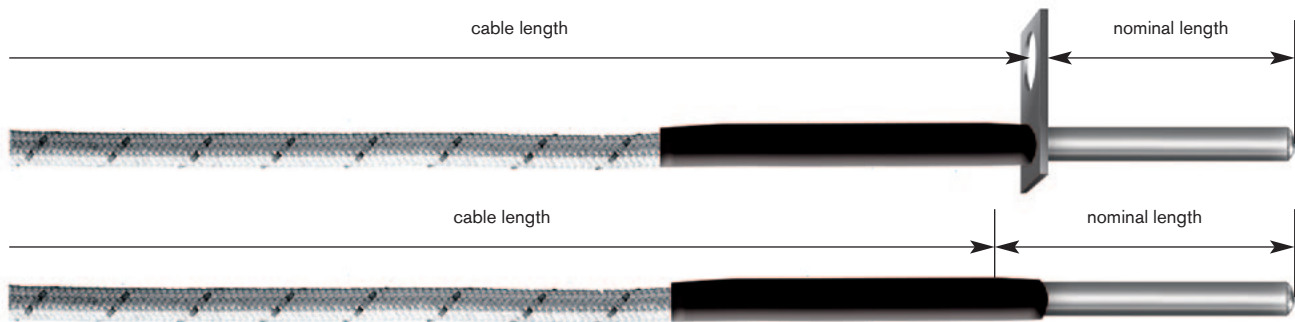
Nominal length: \_\_\_\_\_ mm



**High temperature probe  
with stainless steel sleeve!**

# PROBE WITH STAINLESS STEEL SLEEVE

## THERMO PROBE WITH CONNECTION CABLE T221



connection cable		construction	temperature
<input type="checkbox"/> TH DRR	0,50 mmØ	wire/fiber glass/fiber glass	+400°C

### Thermocouple:

- ☐ 1 x type L
- ☐ 1 x type J
- ☐ 1 x type K
- ☐ other thermocouples: \_\_\_\_\_

type J and K acc. to DIN EN 60584

type L acc. to DIN 43710

### Sleeve-Ø:

- ☐ 3,5 mm

### Type of cable ends:

- ☐ bare ends
- ☐ end sleeve
- ☐ cable lugs M4
- ☐ other cable ends: \_\_\_\_\_

### Connection cable:

- ☐ 1,0 mm
- ☐ 1,5 mm
- ☐ 2,0 mm
- ☐ 2,5 mm
- ☐ 3,0 mm
- ☐ 4,0 mm
- ☐ 5,0 mm
- ☐ 10,0 mm
- ☐ other cable length: \_\_\_\_\_

### Type of measuring tip:

- ☐ Form B, welded measuring tip
- ☐ other measuring tip: \_\_\_\_\_

### Kink protection:

- ☐ kink protection with shrinkable sleeve

### Nominal length:

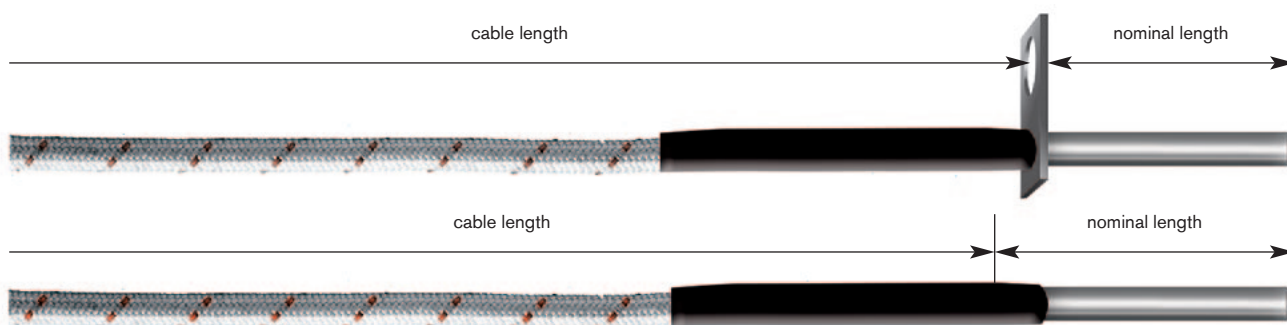
- ☐ 30 mm
- ☐ other nominal length: \_\_\_\_\_ mm



- with mounting plate 8 x 15 mm, hole Ø 5 mm

# PROBE WITH STAINLESS STEEL SLEEVE

## RESISTANCE PROBE WITH CONNECTION CABLE T521



connection cable		construction	temperature
<input type="checkbox"/> RRL	0,22 mm <sup>2</sup>	strand/fiber glass/fiber glass	+400°C

### RTD:

- ☐ 1 x Pt 100 class B
- ☐ 1 x Pt 100 class A
- ☐ other RTDs: \_\_\_\_\_

Pt 100 acc. to DIN EN 60751

### Connection type of inner wires:

- ☐ 2 – wire circuit
- ☐ other connection type: \_\_\_\_\_

### Sleeve-Ø:

- ☐ 3,5 mm

### Type of cable ends:

- ☐ bare ends
- ☐ end sleeve
- ☐ cable lugs M4
- ☐ other cable ends: \_\_\_\_\_

### Connection cable:

- ☐ 1,0 mm
- ☐ 1,5 mm
- ☐ 2,0 mm
- ☐ 2,5 mm
- ☐ 3,0 mm
- ☐ 4,0 mm
- ☐ 5,0 mm
- ☐ 10,0 mm
- ☐ other cable length: \_\_\_\_\_

### Kink protection:

- ☐ kink protection with shrinkable sleeve

### Nominal length:

- ☐ 30 mm
- ☐ other nominal length: \_\_\_\_\_ mm

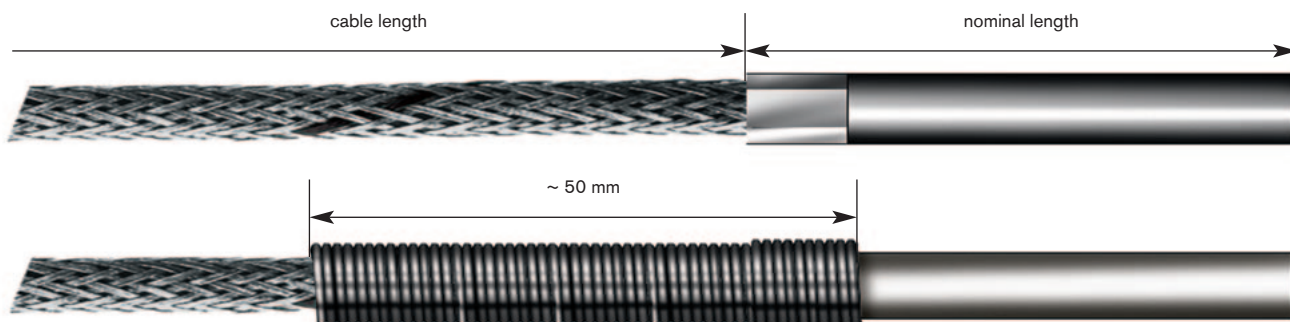


- with mounting plate 8 x 15 mm, hole Ø 5 mm



# PROBE WITH STAINLESS STEEL SLEEVE

## RESISTANCE PROBE WITH CONNECTION CABLE T521 – 528



connection cable	construction	temperature
<input type="checkbox"/> TGV 0,18 mm <sup>2</sup>	strand/PFA/fiber glass/stainless steel wire armouring	+250°C
<input type="checkbox"/> TTL 0,18 mm <sup>2</sup>	strand/PFA/PFA	+250°C
<input type="checkbox"/> RRL 0,22 mm <sup>2</sup>	strand/fiber glass/fiber glass	+400°C
<input type="checkbox"/> RRL-VA 0,22 mm <sup>2</sup>	strand/fiber glass/fiber glass/stainless steel wire armouring	+400°C
<input type="checkbox"/> LiYY 0,25 mm <sup>2</sup>	strand/PVC/ PVC	+ 70°C

### RTD:

- ☐ 1 x Pt 100 class B
- ☐ 2 x Pt 100 class B
- ☐ 1 x Pt 100 class A
- ☐ 2 x Pt 100 class A
- ☐ other RTDs: \_\_\_\_\_

Pt 100 acc. to DIN EN 60751

### Connection type of inner wires:

- ☐ 2 – wire circuit
- ☐ 3 – wire circuit
- ☐ 4 – wire circuit

### Sleeve-Ø:

- ☐ 3,5 mm
- ☐ 4,0 mm
- ☐ 5,0 mm
- ☐ 6,0 mm
- ☐ 7,0 mm
- ☐ 8,0 mm
- ☐ other construction: \_\_\_\_\_

### Type of cable ends:

- ☐ bare ends
- ☐ end sleeve
- ☐ cable lugs M4
- ☐ other cable ends: \_\_\_\_\_

### Connection cable:

- ☐ 1,0 mm
- ☐ 1,5 mm
- ☐ 2,0 mm
- ☐ 2,5 mm
- ☐ 3,0 mm
- ☐ 4,0 mm
- ☐ 5,0 mm
- ☐ 10,0 mm
- ☐ other cable length: \_\_\_\_\_

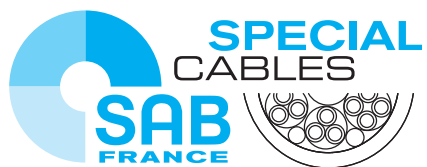
### Kink protection:

- ☐ with kink protection
- ☐ with fiber glass tube
- ☐ with heat shrinkable sleeve

Nominal length: \_\_\_\_\_ mm



- bent type also available!
- with plate 8 x 15 mm, hole Ø 5 mm
- smaller diameters on request!



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