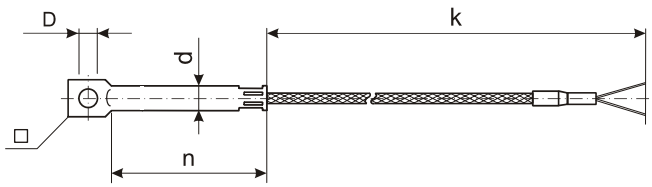
CABLE PROBE WITH SCREW FIXING FOR SURFACE MEASUREMENT **AT (BTSAT)**

Sheath - stainless steel (see table notes)
Cable - see table notes



n = 20 … 30 mm **k = 1 … 10 m**

d	4	5	6
□	6x6	7x7	8x8
D	3	3, 4	3, 4, 5

SENSITIVE ELEMENT	CABLE TYPE	TEMPERATURE RANGE	DIMENSIONS d [mm]	DIMENSIONS wires
RTD Design				
1 x Pt (RB,RD,RF,RG)	SLSL, TSL, TT, YY, UU, YU	T9 -50...200 °C T12 -50...100 °C	4, 5	2, 3*
			6	2, 3, 4*
	GLGL	*T7 0...200* °C		
2 x Pt (RB,RD,RF,RG)		*T8 0...400* °C	6	2x2
	TT	T22 -200...200 °C		
1 x PTC (RP, RQ)	SLSL, TSL, YY, UU, YU	T12 -50...100 °C	6	2, 3
	GLGL, TT	*T19 0...100* °C		
Thermocouple Design				
1 x K, 1 x J, 1 x T	SLSL, TSL, YY, UU, YU	T9 -50...200 °C	4, 5, 6	2
	GLGL, TT	*T8 0...400* °C		

Sheath material:
1.4301 (M1), 1.4541 (M2), 1.4571 (M3), 1.4404 (M9), 2.4816 (M8)

Cable type:
- **GLGLP(V) (glass fiber w/ steel braid, max. 400 °C ambient temperature)**
- **SLSL or TSL (silicone, max. 250 °C ambient temperature)**
- **TT (Teflon®, max. 250 °C ambient temperature)**
- **YY (PVC, max. 100 °C ambient temperature)**
- **UU or YU (PUR, max. 80 °C ambient temperature)**

Tip shape:
- **RTD: standard**
- **T/C: standard (isolated) or grounded**

(see Appendix - Tip shapes)

Accuracy class:
- **RTD: 'A', 'B', or '2xB'**
- **T/C: '1' or '2'**

(see Appendix - RTD or T/C Tolerance)

Cable connector:
4-pin (C3), 'T/C standard' (C5) or 'T/C miniature' (C6)
(see Appendix - Connectors)

*** Please contact BASI!**

Ordering code BTSAT - G1G2.G3.G4.G5.G6.G8.G10.G11.G12.G14.G15 - #1

Code	Feature or option		Code values
G1	Number of sensors		**1** or **2**
G2	Sensor		**RB** - Pt50, **RD** - Pt100, **RF** - Pt500, **RG** - Pt1000, **RP** -PTC 1k, **RQ** - PTC 2k, **J** - T/C type "J", **K** - T/C type "K", **T** - T/C type "T"
G3	Temperature range		**T7** - 0…200 °C, **T8** - 0…400 °C, **T9** - -50…200 °C, **T12** - 50…100 °C, **T19** - 0…100 °C, **T22** - -200…200 °C
G4	Diameter 'd' [mm]		**4**, **5**, **6**
G5	Diameter 'D' [mm] (1)		**3**, **4**, **5**
G6	Probe length 'n' [mm]		**20…30**
G8	Cable length 'k' [m] and type		**1GL…10GL** - glass fiber, **1SL…10SL** - silicone, **1TF…10TF** - Teflon®, **1PU…10PU** - polyurethane (4), **1PV…10PV** - PVC
G10	Sheath material (wetted parts)		**M1** - 1.4301, **M2** - 1.4541, **M3** - 1.4571, **M9** - 1.4404
G11	Accuracy class	RTD	**X** - none (for non Pt sensors), **A** - 'A', **B** - 'B', **C** - '2xB'
		T/C	**1** - '1' (4), **2** - '2'
G12	Number of wires (2)		**2**, **3**, **4** (4)
G14	Tip shape (hot junction) (3)		**X** - standard (isolated from sheath), **G** - grounded
G15	Connector		**X** - none, **C3** - 4-pin male plug-in connector ø8 (for H5700 thermometer only), **C5** - T/C connector, **C6** - miniature T/C connector
#1	Options		**X** - none, **OV** - vibration proof (MgO or Silicone filled), **OS** - cable protection SS spring (≈ 50 mm), **OB** - braid termination lead (only w/o connector), **OP** - electrochemically polished sheath surface

(1) Applicable for the selected diameter 'd'
(2) Only for RTD sensors!
(3) Only for thermocouples!
(4) Contact BASI!