

# Profibus-DP Cables acc. to IEC 61158-2

## S PB 634 HT

## S PB 634 HT Hybrid

Profibus-DP cable  
for the high temperature range, continuously flexible  
combined Profibus-DP cable with supply cores  
for the high temperature, continuously flexible

+180 °C



BRÖCKSKES · D-VIERSEN · S PB 634 HT 2x0,34mm<sup>2</sup> CE



Marking for S PB 634 HT 36341000:

SAB BRÖCKSKES · D-VIERSEN · S PB 634 HT 2x0,34mm<sup>2</sup> CE

**Application:** For use in cable tracks with extreme ambient temperatures.

<b>Construction:</b>	S PB 634 HT	S PB 634 HT Hybrid
Dimension:	2 x 0,34 mm <sup>2</sup>	2 x 0,34 mm <sup>2</sup> + supply cores
Conductor:	tinned copper strands, extra fine wires	
Core insulation:	PFA	
Colour code:	red, green	0,34 mm <sup>2</sup> red, green supply cores acc. to HD 308
Stranding:	0,34 mm <sup>2</sup> twisted to pairs	
Wrapping:	PTFE foil	
Inner sheath:	FEP	special Besilen®
Screen 0,34 mm <sup>2</sup> :	tinned copper braiding	
Inner sheath:	---	FEP
Stranding:	---	element 0,34 mm <sup>2</sup> together with supply cores
Wrapping:	---	PTFE foil
Outer sheath:	special Besilen®	
Sheath colour:	blue lilac (similar RAL 4005)	

<b>Technical data:</b>	S PB 634 HT	S PB 634 HT Hybrid
Item number:	3634-1000	see table below
Nominal voltage:	---	U <sub>0</sub> /U 300/500 V (supply cores)
Peak operating voltage:	max. 350 V (0,34 mm <sup>2</sup> )	
Testing voltage		
core/core:	1500 V	0,34 mm <sup>2</sup> supply cores 1500 V 2000 V
core/screen:	1200 V	1200 V 2000 V
Min. bending radius		
fixed laying:	5 x d	
flexible application:	10 x d	
continuously flexible:	15 x d	
Temperature range		
fixed laying:	- 40°C / + 180°C	
flexible application:	- 25°C / + 180°C	
short time use:	+ 250°C	
Characteristic impedance	150 Ω ± 10%	
PB element (3-20 MHz):		
Fire performance:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2	
Flexibility:	very good	
Absence of harmful substances:	acc. to RoHS directive of the European Union	



### Outstanding features:

- extreme temperature resistance
- high notch resistance
- very good flexibility

item no.	type	dimensions	outer-ø approx. mm	copper figure kg/km	cable weight ≈ kg/km
36341000	S PB 634 HT	2 x 0,34 mm <sup>2</sup>	9,4	33,3	120
36341307	S PB 634 HT Hybrid	2 x 0,34 mm <sup>2</sup> + 3 x 0,75 mm <sup>2</sup>	12,0	54,9	190
36341407	S PB 634 HT Hybrid	2 x 0,34 mm <sup>2</sup> + 4 x 0,75 mm <sup>2</sup>	12,0	62,1	191
36341510	S PB 634 HT Hybrid	2 x 0,34 mm <sup>2</sup> + 5 x 1,00 mm <sup>2</sup>	12,2	81,3	229
36341315	S PB 634 HT Hybrid	2 x 0,34 mm <sup>2</sup> + 3 x 1,50 mm <sup>2</sup>	12,6	76,5	215
36341415	S PB 634 HT Hybrid	2 x 0,34 mm <sup>2</sup> + 4 x 1,50 mm <sup>2</sup>	12,6	90,9	235

Other dimensions and colours are possible on request.