

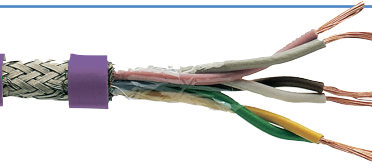
# REMOTE BUS CABLES



**S IBS 618** PUR Interbus-S cable  
for cable tracks UL approval  
**SABIX® IBS 610 FRNC** halogen-free, flame retardant Interbus-S cable

**SABIX® IBS 610** halogen-free Interbus-S cable

3 x 2 x 0,25 mm<sup>2</sup> AWM Style 20235 80°C CE



Marking for S IBS 618 06183251:

SAB BRÖCKSKES · D-VIERSEN · IBS 618 3 x 2 x 0,25 mm<sup>2</sup> AWM Style 20235 80°C CE

The Interbus-S communication cable 3 x 2 x 0.22 mm<sup>2</sup> is supposed to be applied as data cable in the sensor/actor level of industrial communication.

item no.	type	no. of pairs	AWG	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
▶ 06183251	S IBS 618	3	24	0.335	8.5	55
▶ 56103221	SABIX® IBS 610	3	24	0.276	7.0	36
▶ 66103221	SABIX® IBS 610 FRNC	3	24	0.276	7.0	42

Other dimensions and colors are possible on request.

## General construction:

<b>Conductor:</b>	bare copper strands with reference to DIN VDE 0812
<b>Color code:</b>	acc. to DIN VDE 47100
<b>Stranding:</b>	twisted to pairs
<b>Screen:</b>	tinned copper braiding

## Technical data:

<b>Peak operating voltage:</b>	max. 350 V
<b>Testing voltage:</b>	1500 V
<b>Min. bending radius:</b>	7.5 x O.D.
<b>Zero halogen:</b>	acc. to DIN VDE 0472 part 815 and IEC 60754-1
<b>Characteristic impedance at 0.064 MHz:</b>	120 Ω ± 20%
<b>Characteristic impedance &gt; 1 MHz:</b>	100 Ω ± 15 Ω
<b>Absence of harmful substances:</b>	acc. to RoHS-guideline 2002/95/EG as well as GefStoffV appendix IV-no. 24, see page N/25

	S IBS 618*	SABIX® IBS 610	SABIX® IBS 610 FRNC
▶ <b>Insulation:</b>	PE, 2Y11 acc. to DIN VDE 0207 part 2	SABIX® 336	SABIX® 336
▶ <b>Wrapping:</b>	non-woven tape	PETP foil	PETP foil
▶ <b>Outer jacket (purple):</b>	PUR, TPU acc. to DIN VDE DIN VDE 0282 part 10, with rough surface	SABIX® 322	SABIX® 230
▶ <b>Voltage acc. to UL:</b>	300 V	–	–
▶ <b>Radiation resistance:</b>	5 x 10 <sup>7</sup> cJ/kg	5 x 10 <sup>6</sup> cJ/kg	–
▶ <b>Temperature range</b> <i>static:</i> <i>flexing:</i>	<b>UL:</b> up to +80°C -40/+70°C -40/+70°C	-50/+90°C -40/+90°C	-40/+85°C -30/+85°C
▶ <b>Burning characteristics:</b> no flame propagation acc. to IEC 60332-3 + EN 50266-2 Cat. C resp. D	–	–	X
▶ <b>Burning characteristics:</b> flame retardant and self-extinguishing acc. to IEC 60332-1-2 and EN 60332-1-2	X	–	X
▶ <b>Corrosivity:</b> in compliance with IEC 60754-2 and EN 50267-2-2 + VDE 0482 part 267-2-2 - no development of corrosive conflagration gases	X	X	X
▶ <b>Smoke density:</b>	–	low	acc. to IEC 61034 and EN 61034
▶ <b>Oil resistance:</b>	very good - TPU acc. to DIN VDE 0282 part 10	very good - TM5 acc. to DIN VDE 0281 part 1	–
▶ <b>Flexibility:</b>	very good	very good	good
▶ <b>Application in cable tracks:</b>	recommended	not recommended	not recommended
▶ <b>Weather resistance:</b>	very good	good	good
▶ <b>Bending characteristics:</b> number of bends acc. to DIN VDE 0472 part 603 test method H	min. 1.000.000 single bendings	–	–
▶ <b>UL Style:</b>	20235-80°C	–	–

\* Interbus-S remote bus cables 3 x 2 x 0.22 mm<sup>2</sup> or 3 x 2 x 0.25 mm<sup>2</sup> are used for the sensor/actuator level of industrial communication

E-mail: [info@sabcable.com](mailto:info@sabcable.com)



Web site: [www.sabcable.com](http://www.sabcable.com)