

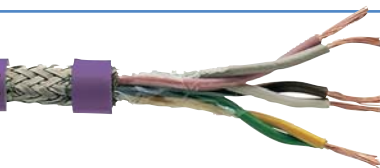
REMOTE BUS CABLES



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

SABIX® IBS 610 halogen-free Interbus-S cable

618 3 x 2 x 0,25 mm² AWM Style 20235 80°C CE



Marking for S IBS 618 06183251:

SAB BRÖCKSKES · D-VIERSEN · IBS 618 3 x 2 x 0,25 mm² AWM Style 20235 80°C CE

The Interbus-S communication cable 3 x 2 x 0.22 mm² 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- ϕ inch	nominal outer- ϕ mm	cable weight \approx lbs/ft
▶ 06183251	S IBS 618	3	24 (\approx 16/32)	0.335	8.5	55
▶ 56103221	SABIX® IBS 610	3	24 (\approx 16/32)	0.276	7.0	36
▶ 66103221	SABIX® IBS 610 FRNC	3	24 (\approx 16/32)	0.276	7.0	42

Other dimensions and colors are possible on request.

General construction:

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

Technical data:

Peak operating voltage:	max. 350 V
Testing voltage:	1500 V
Min. bending radius:	7.5 x O.D.
Zero halogen:	acc. to DIN VDE 0472 part 815 and IEC 60754-1
Characteristic impedance at 0.064 MHz:	120 Ω \pm 20%
Characteristic impedance > 1 MHz:	100 Ω \pm 15 Ω
Absence of harmful substances:	acc. to RoHS directive of the European Union see page N/28

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

* Interbus-S remote bus cables 3 x 2 x 0.22 mm² or 3 x 2 x 0.25 mm² are used for the sensor/actuator level of industrial communication

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Web site: www.sabcable.com