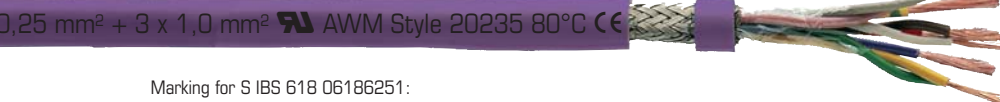


INSTALLATION REMOTE BUS CABLES

S IBS 618 PUR Interbus-S cable for cable tracks with UL approval

SABIX® IBS 610 halogen-free Interbus-S cable

SABIX® IBS 610 FRNC halogen-free, flame retardant Interbus-S cable



Marking for S IBS 618 06186251:

SAB BRÖCKSKES · D-VIERSEN · S IBS 618 3 x 2 x 0,25 mm² + 3 x 1,0 mm² AWM Style 20235 80°C CE

General construction:

Colour code:	acc. to DIN VDE 47100 (pairs), 1,0 mm²: red, blue and green-yellow earth wire
Stranding:	twisted to pairs ($\leq 0,25$ mm²)
Screen:	tinned copper braiding

Technical data:

Peak operating voltage:	max. 350 V
Testing voltage:	1500 V
Min. bending radius:	7,5 x d
Halogen-free:	acc. to DIN VDE 0472 part 815 and IEC 60754-1
Characteristic impedance at 0.064 MHz:	120 $\Omega \pm 20\%$
Characteristic impedance at > 1 MHz:	100 $\Omega \pm 15 \Omega$
Absence of harmful substances:	acc. to RoHS directive of the European Union see page N/14

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	S IBS 618*	SABIX® IBS 610	SABIX® IBS 610 FRNC
► Conductor:	0.25 mm²: bare copper strands with reference to DIN VDE 0812 + 1.00 mm²: bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 6	0.22 mm²: bare copper strands with reference to DIN VDE 0812 + 1.00 mm²: bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 6	0.22 mm²: bare copper strands with reference to DIN VDE 0812 + 1.00 mm²: bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 6
► Core insulation:	PE, 2Y11 acc. to DIN VDE 0207 part 2	SABIX®	SABIX®
► Wrapping:	non-woven tape	PETP foil	PETP foil
► Outer sheath, redlilac (RAL 4001):	PUR, TPU acc. to DIN VDE 0282 part 10, with rough surface	SABIX®	SABIX®
► Voltage acc. to UL:	300 V	–	–
► Radiation resistance:	5 x 10 ⁶ cJ/kg	5 x 10 ⁶ cJ/kg	–
► Temperature range: <i>fixed laying:</i> <i>flexible application:</i>	<u>UL: up to +80°C</u> -40/+70°C -40/+70°C	-50/+90°C -40/+90°C	-40/+85°C -30/+85°C
► Fire performance: no flame propagation acc. to IEC 60332-3 and EN 60332-3 Cat. C resp. D (see page N/20)	–	–	X
► Fire performance: flame retardant and self-extinguishing acc. to IEC 60332-1-2 and EN 60332-1-2	X	–	X
► Corrosiveness of conflagration gases: 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
► Smoke density:	–	–	acc. to IEC 61034 and EN 61034
► Oil resistance:	very good - TPU 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 bendings acc. to DIN VDE 0472 part 603 test methode H	min. 1.000.000 single bendings		
► UL Style:	20235-80°C	–	–

* Interbus-S installation remote bus cables 3 x 2 x 0.22 mm² + 3 x 1,0 mm² or 3 x 2 x 0.25 mm² + 3 x 1,0 mm² are used for the sensor/actuator level of industrial communication

item no.	type	no. of pairs/cores x cross section mm²	outer- \varnothing $\pm 5\%$ mm	copper figure kg/km	cable weight \approx kg/km
06186251	S IBS 618	3 x 2 x 0,25 + 3 x 1,00	9,2	71,0	121
56106221	SABIX® IBS 610	3 x 2 x 0,22 + 3 x 1,00	7,9*	62,0	84
66106221	SABIX® IBS 610 FRNC	3 x 2 x 0,22 + 3 x 1,00	7,9*	62,0	94

Other dimensions and colours are possible on request.

* max. 8.0 mm

