

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

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



Marking for S IBS 618 06183251:

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

General construction:

Conductor:	bare copper strands with reference to DIN VDE 0812
Colour 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 d
Halogen-free:	acc. to DIN VDE 0472 part 815 + IEC 60754-1
Characteristic impedance at 0.064 MHz:	120 Ω ± 20%
Characteristic impedance at > 1 MHz:	100 Ω ± 15 Ω
Absence of harmful substances:	acc. to RoHS directive of the European Union see page N/17

	S IBS 618*	SABIX® IBS 610	SABIX® IBS 610 FRNC
Insulation:	PE, 2Y11 acc. to DIN VDE 0207 part 2	SABIX®	SABIX®
Wrapping:	non-woven tape	PETP foil	PETP foil
Sheath material, redlilac (RAL 4001):	PUR,TMPU acc. to DIN VDE 0282 part 10, with rough surface	SABIX®	SABIX®
Voltage acc. to UL:	300 V	–	–
Radiation resistance:	5 x 10 ⁷ cJ/kg	5 x 10 ⁶ cJ/kg	–
Temperature range: <i>fixed laying:</i> <i>flexible application:</i>	UL: up to +80°C -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 + EN 60332-3 Cat. C resp. D (see page N/19)	–	–	X
Fire performance: flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2	X	–	X
Corrosiveness of conflagration gases: in compliance with IEC 60754-2 + 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 - 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 bendings acc. to DIN VDE 0472 part 603 test methode 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

item no.	type	no. of pairs x cross section mm²	outer-ø ± 10% mm	copper figure kg/km	cable weight ≈kg/km
06183251	S IBS 618	3 x 2 x 0,25	8,5	35,9	82
56103221	SABIX® IBS 610	3 x 2 x 0,22	7,0	31,3	53
66103221	SABIX® IBS 610 FRNC	3 x 2 x 0,22	7,0	31,3	62

Other dimensions and colours are possible on request.