

# Interbus-Loop Cables

**SABIX® IBL 600 FRNC**

Halogen-free, flame retardant Interbus-Loop cable

**S IBL 605**

PUR Interbus-Loop cable for cable tracks

**SABIX® IBL 600**

Halogen-free Interbus-Loop cable

**IBL 600**

PVC Interbus-Loop cable



BRÖCKSKES · D-VIERSEN · IBL 605 2x1.5mm<sup>2</sup> CE



Marking for IBL 605 6052853:

SAB BRÖCKSKES · D-VIERSEN · IBL 605 2x1.5mm<sup>2</sup> CE and current meter marking

<b>Construction:</b>	SABIX® IBL 600 FRNC	IBL 600	SABIX® IBL 600	S IBL 605
Item numbers:	66012853 / 66013853	6002853 / 6003853	56002853 / 56003853	6052853 / 6053853
Dimensions:	2 x 1.50 mm <sup>2</sup> / 3 x 1.50 mm <sup>2</sup>	2 x 1.50 mm <sup>2</sup> / 3 x 1.50 mm <sup>2</sup>	2 x 1.50 mm <sup>2</sup> / 3 x 1.50 mm <sup>2</sup>	2 x 1.50 mm <sup>2</sup> / 3 x 1.50 mm <sup>2</sup>
Conductor:	bare copper strands acc. to IEC 60228, VDE 0295, class 5			bare copper strands acc. to IEC 60228, VDE 0295, class 6
Insulation:	SABIX®	PVC, TI2 acc. to EN 50363-3	SABIX®	TPE-E
Color code:	colored acc. to HD 308 (VDE 0293-308), green/yellow ground from 3 conductors			
Stranding:	in layers	in layers	in layers	specialy adjusted layering with netting tape and one additional non-woven tape over the outer layer
Jacket material:	SABIX®	PVC, TM5 acc. to EN 50363-4-1	SABIX®	PUR, TPU acc. to EN 50363-10-2 with rough surface
Jacket color:	may green (RAL 6017)	may green (RAL 6017)	may green (RAL 6017)	red lilac (RAL 4001)

<b>Technical data:</b>	SABIX® IBL 600 FRNC	IBL 600	SABIX® IBL 600	S IBL 605
Peak operating voltage:	max. 350 V	max. 350 V	max. 350 V	max. 350 V
Testing voltage:	conductor/conductor: 1500 V		conductor/conductor: 1500 V	
Min. bending radius:	15 x O.D.	15 x O.D.	15 x O.D.	15 x O.D.
Radiation resistance:	—	8 x 10 <sup>7</sup> cJ/kg	5 x 10 <sup>6</sup> cJ/kg	5 x 10 <sup>7</sup> cJ/kg
Temperature range:				
static:	-40/+85°C	-40/+70°C	-50/+90°C	-50/+90°C
flexible:	-30/+85°C	-5/+70°C	-40/+90°C	-40/+90°C
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1	—	acc. to IEC 60754-1 + EN 0482-754-1	acc. to IEC 60754-1 + EN 0482-754-1
Burning characteristics:	no flame propagation acc. to IEC 60332-3-24 + IEC 60332-3-25 Cat C resp. D	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2	—	—
Corrosiveness of conflagration gases:	in compliance with IEC 60754-2 + VDE 0482-754-2 - no development of corrosive conflagration gases	—	in compliance with IEC 60754-2 + VDE 0482-754-2 - no development of corrosive conflagration gases	—
Smoke density:	acc. to IEC 61034 + VDE 0482-1034	—	—	—
Oil resistance:	—	very good acc. to VDE 0207-5	very good acc. to EN 50363-4-1	very good acc. to EN 50363-10-2 + VDE 0207-363-10-2
Chemical resistance:	—	—	—	good against acids, alkalines, solvents, hydraulic liquids etc.
Characteristic impedance at 0.25 - 10 MHz:	for two conductor cables 75 Ω ± 15%		for two conductor cables 75 Ω ± 15%	
Flexibility:	good	—	very good	very good
Application in cable tracks:	not recommended	not recommended	not recommended	recommended
Weather resistance:	good	medium	good	very good
continuous flex applications:	—	—	—	very good
Absence of harmful substances:	acc. to RoHS directive of the European Union, see page O/30			

item no.	type	jacket color	no. of conductors	dimensions AWG	outer-ø		cable weight ≈ lbs/mft
					±10% inch	±10% mm	
▶ 66012853	SABIX® IBL 600 FRNC	may green (RAL 6017)	2	16 (≈ 27-29/30)	0.272	6.9	54
▶ 66013853	SABIX® IBL 600 FRNC	may green (RAL 6017)	3	16 (≈ 27-29/30)	0.295	7.5	63
▶ 6002853	IBL 600	may green (RAL 6017)	2	16 (≈ 27-29/30)	0.272	6.9	50
▶ 6003853	IBL 600	may green (RAL 6017)	3	16 (≈ 27-29/30)	0.295	7.5	63
▶ 56002853	SABIX® IBL 600	may green (RAL 6017)	2	16 (≈ 27-29/30)	0.272	6.9	40
▶ 56003853	SABIX® IBL 600	may green (RAL 6017)	3	16 (≈ 27-29/30)	0.295	7.5	50
▶ 6052853	S IBL 605	red lilac (RAL 4001)	2	16 (≈ 84/34)	0.303	7.7	50
▶ 6053853	S IBL 605	red lilac (RAL 4001)	3	16 (≈ 84/34)	0.319	8.1	60

Other dimensions and colors are available on request

**HD 308 color code:**

2c- blue, brown

3c- green/yellow, blue, brown

