

INTERBUS-LOOP CABLES

SABIX® IBL 600 FRNC Halogen-free, flame retardant Interbus-Loop cable

SABIX® IBL 600 FRNC Halogen-free Interbus-Loop cable

IBL 600 PVC Interbus-Loop cable

S IBL 605 PUR Interbus-Loop cable for cable tracks



Marking for IBL 600 06002853:

SAB BRÖCKSKES · D-VIERSEN · IBL 600 2 x 1,5 mm² with consecutive meter marking CE

The two conductors Interbus-Loop cable is supposed to be applied as data transmission cable and for the supply of sensors. The three conductors Interbus-Loop cable is applied for supply of actuators. These cables are also suitable for Interbus-Loop 2. Certificated by INTERBUS-CLUB.

item no.	type	no. of conductors	AWG	nominal outer- ϕ inch	mm	cable weight \approx lbs/ft
▶ 66012853	SABIX® IBL 600 FRNC	2	16 (\approx 27-29/30)	0.272	6.9	52
▶ 66013853	SABIX® IBL 600 FRNC	3	16 (\approx 27-29/30)	0.295	7.5	63
▶ 06002853	IBL 600	2	16 (\approx 27-29/30)	0.272	6.9	50
▶ 06003853	IBL 600	3	16 (\approx 27-29/30)	0.295	7.5	63
▶ 56002853	SABIX® IBL 600	2	16 (\approx 27-29/30)	0.272	6.9	40
▶ 56003853	SABIX® IBL 600	3	16 (\approx 27-29/30)	0.295	7.5	50
▶ 06052853	S IBL 605	2	16 (\approx 84/34)	0.303	7.7	50
▶ 06053853	S IBL 605	3	16 (\approx 84/34)	0.319	8.1	60

Other dimensions and colors are possible on request.

General construction:

Conductor: bare copper strands with reference to IEC 60228, EN 60228, VDE 0295 class 5 S IBL 605 = class 6

Color code: colored acc. to HD 308 (VDE 0293 part 308); green-yellow earth wire from 3 conductors

Technical data:

Peak operating voltage:	max. 350 V
Testing voltage:	1000 V
Min. bending radius:	15 x O.D.
Characteristic impedance at 0,25 MHz - 10 MHz:	for two-conductor cables 75 Ω \pm 15%
Absence of harmful substances:	acc. to RoHS directive of the European Union see page N/28

	SABIX® IBL 600 FRNC	IBL 600	SABIX® IBL 600	S IBL 605
▶ Insulation:	SABIX® 336	PVC, T12 acc. to DIN VDE 0281 part 1	SABIX® 336	TPE-E
▶ Stranding:	in layers	in layers	in layers	specialy adjusted layering with netting tape and one additional non-woven tape over the outer layer
▶ Outer jacket (purple):	SABIX® 230	PVC, YÖ acc. to DIN VDE 0281 part 1	SABIX® 322	PUR, TMPU acc. to DIN VDE 0282 part 10 with rough surface
▶ Radiation resistance:	–	8 x 10 ⁷ cJ/kg	5 x 10 ⁶ cJ/kg	5 x 10 ⁷ cJ/kg
▶ Temperature range <i>static:</i> <i>flexing:</i>	-40/+85°C -30/+85°C	-40/+70°C +5/+70°C	-50/+90°C -40/+90°C	-50/+90°C -40/+90°C
▶ Zero halogen:	acc. to DIN VDE 0472 part 815 + IEC60754-1	–	acc. to DIN VDE 0472 part 815 + IEC60754-1	acc. to DIN VDE 0472 part 815 + IEC60754-1
▶ 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	–	–
▶ 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:	acc. to IEC 61034 and EN 61034	–	low	–
▶ Oil resistance:	–	very good - acc. to DIN VDE 0207 part 5	very good - TM5 acc. to DIN VDE 0281 part 1	very good - TMPU acc. to DIN VDE 0282 part 10
▶ Flexibility:	good	–	very good	very good
▶ Chemical resistance: good against acids, alkalines, solvents, hydraulic liquids etc.	–	–	–	X
▶ Application in cable tracks:	not recommended	not recommended	not recommended	recommended
▶ Weather resistance:	good	medium	good	very good
▶ Continuously flexible application:	–	–	–	very good

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Web site: www.sabcable.com