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

RoHS

CE

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 actors. These cables are also suitable for Interbus-Loop 2. Certificated by INTERBUS-CLUB.

item no.	type	no. of conductors	AWG	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
► 66002853	SABIX® IBL 600 FRNC	2	16 (27-29/30)	0.272	6.9	52
► 66003853	SABIX® IBL 600 FRNC	3	16 (27-29/30)	0.295	7.5	63
► 06002853	IBL 600	2	16 (27-29/30)	0.272	6.9	50
► 06003853	IBL 600	3	16 (27-29/30)	0.295	7.5	63
► 56002853	SABIX® IBL 600	2	16 (27-29/30)	0.272	6.9	40
► 56003853	SABIX® IBL 600	3	16 (27-29/30)	0.295	7.5	50
► 06052853	S IBL 605	2	16 (27-29/34)	0.303	7.7	50
► 06053853	S IBL 605	3	16 (27-29/34)	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 250 MHz - 10 MHz:	for two-conductor cables 75 Ω ± 15%
Absence of harmful substances:	acc. to RoHS-guideline 2002/95/EG as well as GefStoffV appendix IV-no. 24, see page N/25

	SABIX® IBL 600 FRNC	IBL 600	SABIX® IBL 600	S IBL 605
➤ **Insulation:**	SABIX® 336	PVC, TI2 acc. to DINVDE 0281 part 1	SABIX® 336	TPE-E
➤ **Stranding:**	in layers	in layers	in layers	specially 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** *static:* *flexing:*	 -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 50266-2 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