

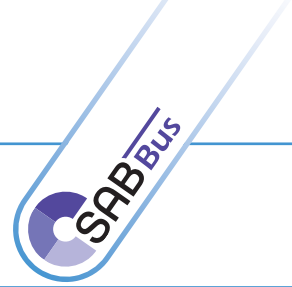
Remote Bus Cables

IBS 612 PVC Interbus-S cable
for indoor and outdoor installation

IBS 614 PVC Interbus-S cable

IBS 617 PVC Interbus-S cable with UL recognition

S IBS 616 PUR Interbus-S cable
for cable tracks



Marking for IBS 617 06173221:

SAB BRÖCKSKES · D-VIERSEN · 06173221 3x2x0,22mm² IBS 617 24AWG/3pr AWM Style 2464 80°C 300V CE



Construction:	IBS 612	IBS 617	IBS 614	S IBS 616*
Dimension:	3 x 2 x 0,22 mm ²			3 x 2 x 0,25 mm ²
Conductor:	bare copper strands with reference to VDE 0812			
Insulation:	PE, 2Y11 acc. to EN 50290-2-23 + VDE 0819-103			
Colour code:	acc. to DIN 47100			
Stranding:	twisted to pairs			
Wrapping:	PETP foil			non-woven tape
Screen:	tinned copper braiding			
Sheath material:	PVC, TM2 acc. to EN 50363-4-1	PVC, TM5 acc. to EN 50363-4-1	PVC, TM2 acc. to EN 50363-4-1	PUR, TMPU acc. to EN 50363-10-2 with rough surface
Sheath colour:	black (RAL 9005)	redlilac (RAL 4001)		

Technical data:	IBS 612	IBS 617	IBS 614	S IBS 616*
Item number:	0612-3228	0617-3221	0614-3221	0616-3251
Peak operating voltage:	max. 350 V			
Voltage UL:	---	300 V	---	
Testing voltage core/core: core/screen:	1000 V 1000 V	2000 V 2000 V	1000 V 1000 V	
Min. bending radius:	7,5 x d			
Radiation resistance:	8 x 10 ⁷ cJ/kg			5 x 10 ⁷ cJ/kg
Temperature range fixed laying: flexible application:	-30/+70 °C -5/+70 °C	UL: up to +80 °C -30/+70 °C -5/+70 °C	-30/+70 °C -5/+70 °C	-40/+70 °C -40/+70 °C
Halogen-free:	---			acc. to IEC 60754-1 + VDE 0482-754-1
Fire performance:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2			---
Oil resistance:	acc. to internal standard, see chapter N „Technical data“	very good acc. to VDE 0207-5	acc. to internal standard, see chapter N „Technical data“	very good acc. to EN 50363-10-2 + VDE 0207-363-10-2
Characteristic impedance at 0.064 MHz:	120 Ω ± 20%			
Characteristic impedance at > 1 MHz:	100 Ω ± 15 Ω			
Flexibility:	good			very good
Application in cable tracks:	not recommended			recommended
Weather resistance:	medium			very good
Bending characteristics: number of bendings acc. to VDE 0472-603 test methode H	---			min. 1.000.000 single bendings
Direct Burial:	suitable	not suitable		
UL Style:	---	2464	---	
Absence of harmful substances:	acc. to RoHS directive of the European Union, see chapter N „Technical data“			

item no.	type	dimension	outer-ø ± 10%	copper figure kg/km	cable weight ≈kg/km
06123228	IBS 612	3 x 2 x 0,22 mm ²	9,0	31,2	95
06173221	IBS 617	3 x 2 x 0,22 mm ²	7,0	31,2	60
06143221	IBS 614	3 x 2 x 0,22 mm ²	6,9	31,2	56
06163251	S IBS 616	3 x 2 x 0,25 mm ²	8,0	35,9	64

* 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

Other dimensions and colours are possible on request.