

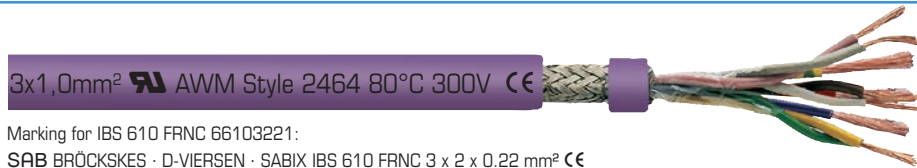
Remote Bus & Installation Remote BUS Cables

SABIX® IBS 610

Halogen-free, Interbus-S cable

SABIX® IBS 610 FRNC

Halogen-free and flame retardant Interbus-S cable



Marking for IBS 610 FRNC 66103221:

SAB BRÖCKSKES · D-VIERSEN · SABIX IBS 610 FRNC 3 x 2 x 0.22 mm² CE

Construction:	SABIX® IBS 610 <i>remote bus cable</i>	SABIX® IBS 610 FRNC <i>remote bus cable</i>	SABIX® IBS 610* <i>installation remote bus cable</i>	SABIX® IBS 610 FRNC* <i>installation remote bus cable</i>
Item numbers:	56103221	66103221	56106221	66106221
Dimensions:	3 x 2 x 0.22 mm²	3 x 2 x 0.22 mm²	3 x 2 x 0.22 mm² + 3 x 2 x 1.00 mm²	
Conductor: 3 x 2 x 0.22 mm² resp. 3 x 2 x 0.25 mm²	bare copper strands with reference to VDE 0812	bare copper strands with reference to VDE 0812	bare copper strands with reference to VDE 0812	bare copper strands with reference to VDE 0812
Conductor: 3 x 1.00 mm²:	—	—	bare copper strands acc. to IEC 60228, VDE 0295, class 6	
Insulation:	SABIX®	SABIX®	SABIX®	SABIX®
Color code:	acc. to DIN 47100	acc. to DIN 47100	acc. to DIN 47100 (pairs), 1.0 mm²: red, blue and green/yellow ground	
Stranding:	twisted to pairs and pairs together		twisted to pairs (≤ 0.25 mm²) pairs and conductors together	
Wrapping:	PETP foil	PETP foil	PETP foil	PETP foil
Shielding:	tinned copper braiding	tinned copper braiding	tinned copper braiding	tinned copper braiding
Jacket material:	SABIX®	SABIX	SABIX	SABIX
Jacket color:	red lilac (RAL 4001)	red lilac (RAL 4001)	red lilac (RAL 4001)	red lilac (RAL 4001)

Technical data:	SABIX® IBS 610 <i>remote bus cable</i>	SABIX® IBS 610 FRNC <i>remote bus cable</i>	SABIX® IBS 610 <i>installation remote bus cable</i>	SABIX® IBS 610 FRNC <i>installation remote bus cable</i>
Peak operating voltage:	max. 350 V	max. 350 V	max. 350 V	max. 350 V
Testing voltage: conductor/conductor: conductor/shielding:	1000 V 1000 V	1000 V 1000 V	1500 V 1500 V	1500 V 1500 V
Min. bending radius:	7.5 x O.D.	7.5 x O.D.	7.5 x O.D.	7.5 x O.D.
Radiation resistance:	5 x 10 ⁸ cJ/kg	—	5 x 10 ⁸ cJ/kg	—
Temperature range: static: flexible:	-50/+90°C -40/+90°C	-40/+85°C -30/+85°C	-50/+90°C -40/+90°C	-40/+85°C -30/+85°C
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1	acc. to IEC 60754-1 + VDE 0482-754-1	acc. to IEC 60754-1 + VDE 0482-754-1	acc. to IEC 60754-1 + VDE 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	—	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
Oil resistance:	very good acc. to EN50363-4-1	—	very good acc. to EN50363-4-1	—
Corrosiveness of conflagration gases:	in compliance with IEC 60754-2 + VDE 0482-754-1 - no development of corrosive conflagration gases			
Smoke density	—	acc. to IEC 61034 + VDE 0482-1034	—	acc. to IEC 61034 + VDE 0482-1034
Characteristic impedance at 0.064 MHz:	120Ω ± 20%	120Ω ± 20%	120Ω ± 20%	120Ω ± 20%
Characteristic impedance at > 1 MHz:	100Ω ± 15Ω	100Ω ± 15Ω	100Ω ± 15Ω	100Ω ± 15Ω
Flexibility:	very good	good	very good	good
Weather resistance:	good	good	good	good
Absence of harmful substances:	acc. to RoHS directive of the European Union, see page O/30			

item no.	type	no. of pairs	no. of power conductors	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
▶ 56103221	SABIX® IBS 610	24 (≈ 16/32)/3pr	—	0.276	7.0	36
▶ 66103221	SABIX® IBS 610 FRNC	24 (≈ 16/32)/3pr	—	0.276	7.0	42
▶ 56106221*	SABIX® IBS 610	24 (≈ 14/34)/3pr	18 AWG (≈ 30/32)/3c	0.311	7.9	56
▶ 66106221*	SABIX® IBS 610 FRNC	24 (≈ 14/34)/3pr	18 AWG (≈ 30/32)/3c	0.311	7.9	63

* Interbus-S installation remote bus cables 3 x 2 x 0.22 mm² + 3 x 1.0 mm² or 3 x 2 x 0.25 mm² + 3 x 1.0 mm² are used for the sensor/actuator level of industrial communication

Other dimensions and colors are available on request

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