Remote / Installation Remote Bus cables

S IBS 616 PUR Interbus-S cable for cable tracks

S IBS 618 PUR Interbus-S cable for cable tracks with UL recognition



marking example:
SAB BRÖCKSKES · D-VIERSEN · 06186251 3x2x0,25mm²+3x1,0mm² S IBS 618 24 AWG/3pr + 18 AWG/3c AWM Style 20235 80°C voltage not specified

Construction:	S IBS 616 Remote Bus	S IBS 618 Remote Bus	S IBS 616 Installation Remote Bus	S IBS 618 Installation Remote Bus
Dimension:	3 x 2 x 0,25 mm²		3 x 2 x 0,25 mm² + 3 x 1,00mm²	
Conductor 0,25 mm²:	bare copper strands with reference to VDE 0812			
Conductor 1,00 mm²:	–		bare copper strands acc. to IEC 60228, VDE 0295, class 6	
Insulation:	PE, 2YI1 acc. to EN 50290-2-23 + VDE 0819-103		0,25 mm²: PE, 2YI1 acc. to EN 50290-2-23 + VDE 0819-103 1,00 mm²: TPE	
Colour code:	acc. to DIN 47100		acc. to DIN 47100 (pairs), 1,0 mm²: red, blue and a green-yellow earth wire	
Stranding:	twisted to pairs		twisted to pairs, pairs and cores together	
Wrapping:	non-woven tape			
Screen:	tinned copper braiding			
Sheath material:	PUR, TMPU acc. to EN 50363-10-2 with rough surface			
Sheath colour:	redlilac (RAL 4001)			

Technical data:	S IBS 616 Remote Bus	S IBS 618 Remote Bus	S IBS 616 Installation Remote Bus	S IBS 618 Installation Remote Bus
Item number:	0616-3251	0618-3251	0616-6251	0618-6251
Peak operating voltage:	max. 350 V			
Voltage UL:	–	300 V	–	300 V
Testing voltage *core/core:* *core/screen:*	 1500 V 1200 V	 2000 V 2000 V	 1500 V 1200 V	 2000 V 2000 V
Min. bending radius:	7,5 x d			
Radiation resistance:	5 x 10^7 cJ/kg			
Temperature range *fixed laying:* *flexible application:*	 -40/+70 °C -40/+70 °C	UL: up to +80 °C -40/+70 °C -40/+70 °C	 -40/+70 °C -40/+70 °C	UL: up to +80 °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	–	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
Oil resistance:	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%			
Flexibility:	very good			
Application in cable tracks:	recommended			
Weather resistance:	very good			
Bending characteristics: *number of bendings acc. to VDE 0472-603 test methode H*	min. 1.000.000 single bendings			
Direct buriel:	not suitable	suitable	not suitable	suitable
UL Style:	–	20235	–	20235
Absence of harmful substances:	acc. to RoHS directive of the European Union, see chapter N „Technical data“			

item no.	type	dimension	outer-ø ± 10% mm	copper figure kg/km	cable weight ≈ kg/km
06163251	S IBS 616 remote bus cables	3 x 2 x 0,25 mm²	7,4	36,2	61
06166251	S IBS 616 installation remote bus cables	3 x 2 x 0,25 mm² + 3 x 1,00 mm²	8,0	70,8	98
06183251	S IBS 618 remote bus cables	3 x 2 x 0,25 mm²	8,5	35,9	82
06186251	S IBS 618 installation remote bus cables	3 x 2 x 0,25 mm² + 3 x 1,00 mm²	9,2	71,0	116

Other dimensions and colours are possible on request.

Interbus-S remote bus cables and Interbus-S installation remote bus cables are used for the sensor/actuator level of industrial communication.