

SABIX® PB 630 halogen-free Profibus-DP cable
PB 630 PVC Profibus-DP cable for fixed installation

SABIX® PB 630 FRNC halogen-free, flame retardant Profibus-DP cable
PB 631 halogen-free PE Profibus-DP cable for fixed installation



Marking for SABIX® PB 630 FRNC 66302341:
 SAB BRÖCKSKES · D-VIERSEN · SABIX® PB 630 FRNC 2x0,34mm² CE

Construction:	SABIX® PB 630	SABIX® PB 630 FRNC	PB 630	PB 631
Dimensions:	2 x 0,34 mm ²		2 x AWG 22	
Conductor:	bare copper strands acc. to VDE 0812		bare copper wire AWG 22, single wire	
Insulation:	acc. to EN 50290-2-23 + VDE 0819-103 (02Y11)			
Colour code:	red, green			
Stranding:	in layers			
Wrapping:	alu foil			
Screen:	tinned copper braiding			
Sheath material:	SABIX®		PVC, TM2 acc. to EN 50363-4-1	PE, 2YM1 acc. to EN 50290-2-24
Sheath colour:	redlilac (RAL 4001)			

Technical data:	SABIX® PB 630	SABIX® PB 630 FRNC	PB 630	PB 631
Item numbers:	5630-2341	6630-2341	0630-2331	0631-2331
Peak operating voltage:	max. 350 V			
Testing voltage core/core: core/screen:	1500 V 1500 V			
Min. bending radius:	12 x d			
Radiation resistance:	---		7 x 10 ⁶ cJ/kg	
Temperature range fixed laying: flexible application:	-40/+80 °C -40/+80 °C	-40/+80 °C -30/+80 °C	-30/+70 °C -5/+70 °C	-40/+70 °C -40/+70 °C
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1		---	acc. to IEC 60754-1 + VDE 0482-754-1
Fire performance:	---	no flame propagation acc. to IEC 60332-3-24 + IEC 60332-3-25 Cat. C resp. D, see chapter N „Technical Data“. 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	---
Corrosiveness of conflagration gases:	in compliance with IEC 60754-2 + VDE 0482-754-2 - no development of corrosive conflagration gases		---	in compliance with IEC 60754-2 + VDE 0482-754-2 - no development of corrosive conflagration gases
Smoke density:	---	very low	---	low
Oil resistance:	very good acc. to EN 50363-4-1	---	acc. to internal standard see chapter N „Technical Data“	---
Characteristic impedance 3 - 20 MHz:	150 Ω ± 10%			
For fixed installation:	X			
For flexible application:	X	---		
Weather resistance:	good		medium	good
Absence of harmful substances:	acc. to RoHS directive of the European Union, see chapter N „Technical Data“			

item no.	type	no. of cores mm ² each conductor	outer-ø ± 5%	copper figure kg/km	cable weight ≈kg/km
56302341	SABIX® PB 630	2 x 0,34	7,5	30,4	50
66302341	SABIX® PB 630 FRNC	2 x 0,34	7,5	30,4	62
06302331	PB 630	2 x AWG 22	7,1	23,8	49
06312331	PB 631	2 x AWG 22	7,1	23,8	44

Other dimensions and colours are possible on request.

Profibus-DP and **Profibus-FMS** apply the same transmission technology and a uniform bus access log. Therefore, both types can be used simultaneously on one cable.