

Profibus-DP Cables acc. IEC 61158-2



PB 630 PVC Profibus-DP cable for fixed installation

PB 636 Flexible PVC Profibus-DP cable for outdoor installation

PB 639 PVC Profibus-DP cable for direct burial

PB 635 PVC Profibus-DP cable for outdoor installation

BRÖCKSKES · D-VIERSEN · PB 636 2x0.34mm² CE



Marking for PB 636 6362348:

SAB BRÖCKSKES · D-VIERSEN · PB 636 2x0.34mm² CE

Construction:	PB 630 <i>for fixed installations</i>	PB 639 <i>for direct burial</i>	PB 636 <i>for fixed installations</i>	PB 635 <i>for fixed installations</i>
Item numbers:	6302331	6392338	6362348	6352338
Dimensions:	2 x 22 AWG	2 x 22 AWG	2 x 0.34 mm ²	2 x 22 AWG
Conductor:	bare copper wire AWG 22, single wire	bare copper wire AWG 22, single wire	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)	acc. to EN 50290-2-23 + VDE 0819-103 (02Y11)	acc. to EN 50290-2-23 + VDE 0819-103 (02Y11)	acc. to EN 50290-2-23 + VDE 0819-103 (02Y11)
Color code:	red, green	red, green	red, green	red, green
Stranding:	in layers	in layers	in layers	in layers
Shielding:	alu foil + tinned copper braiding		alu foil + tinned copper braiding	
Jacket material:	PVC, TM2 acc. to EN 50363-4-1	PVC, TM2 acc. to EN 50363-4-1	PVC, TM2 acc. to EN 50363-4-1	PVC, TM2 acc. to EN 50363-4-1
Jacket color:	red lilac (RAL 4001)	red lilac (RAL 4001)	red lilac (RAL 4001)	red lilac (RAL 4001)

Technical data:	PB 630 <i>for fixed installations</i>	PB 639 <i>for direct burial</i>	PB 636 <i>for fixed installations</i>	PB 635 <i>for fixed installations</i>
Peak operating voltage:	max. 350 V	max. 350 V	max. 350 V	max. 350 V
Testing voltage: conductor/conductor: conductor/shielding:	1500 V 1500 V	1500 V 1500 V	1500 V 1500 V	1500 V 1500 V
Min. bending radius:	12 x O.D.	12 x O.D.	12 x O.D.	12 x O.D.
Radiation resistance:	7 x 10 ⁶ cJ/kg	—	—	—
Temperature range: static: flexible:	-30/+70°C -5/+70°C	-30/+70°C -5/+70°C	-30/+70°C -5/+70°C	-30/+70°C -5/+70°C
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2			
Oil resistance:	acc. to internal standard, see page O/29		acc. to internal standard, see page O/29	
Characteristic impedance 3 - 20 MHz:	150 Ω ± 10%	150 Ω ± 10%	150 Ω ± 10%	150 Ω ± 10%
For fixed installation:	suitable	suitable	suitable	suitable
For flexible application:	not suitable	not suitable	suitable	not suitable
Weather resistance:	medium	good	good	good
Outdoor installation:	not suitable	suitable	suitable	suitable
Direct burial:	not suitable	suitable	not suitable	not suitable
Absence of harmful substances:	acc. to RoHS directive of the European Union, see page O/30			

item no.	type	no. of conductors	dimensions AWG	nominal outer-ø inch	mm	cable weight ≈lbs/mft
▶ 6302331	PB 630	2	22	0.280	7.1	36
▶ 6392338	PB 639	2	22	0.362	9.2	63
▶ 6362348	PB 636	2	22 (≈ 7/30)	0.346	8.8	54
▶ 6352338	PB 635	2	22	0.331	8.4	53

Other dimensions and colors are available on request