

# 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 2x0.34mm<sup>2</sup> CE



Marking for PB 636 6362348:

SAB BRÖCKSKES · D-VIERSEN · PB 636 2x0.34mm<sup>2</sup> CE

<b>Construction:</b>	<b>PB 630</b> <i>for fixed installations</i>	<b>PB 639</b> <i>for direct burial</i>	<b>PB 636</b> <i>for fixed installations</i>	<b>PB 635</b> <i>for fixed installations</i>
<b>Item numbers:</b>	6302331	6392338	6362348	6352338
<b>Dimensions:</b>	2 x 22 AWG	2 x 22 AWG	2 x 0.34 mm <sup>2</sup>	2 x 22 AWG
<b>Conductor:</b>	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
<b>Insulation:</b>	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)
<b>Color code:</b>	red, green	red, green	red, green	red, green
<b>Stranding:</b>	in layers	in layers	in layers	in layers
<b>Shielding:</b>	alu foil + tinned copper braiding		alu foil + tinned copper braiding	
<b>Jacket material:</b>	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
<b>Jacket color:</b>	red lilac (RAL 4001)	red lilac (RAL 4001)	red lilac (RAL 4001)	red lilac (RAL 4001)

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

item no.	type	no. of conductors	dimensions AWG	outer-ø ±10% inch    ±10% mm		cable weight ≈lbs/mft
▶ 6302331	PB 630	2	22	0.280	7.1	33
▶ 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