

# Specialty Cable Design Constructions

## Example: Profibus-DP cable

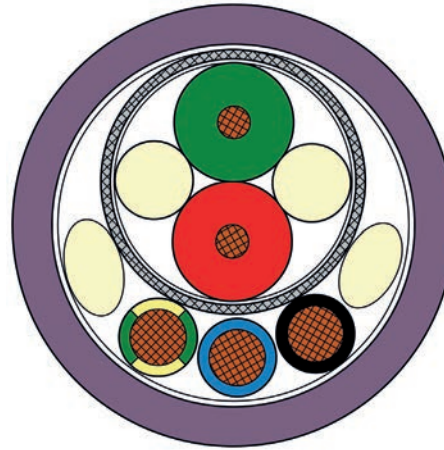
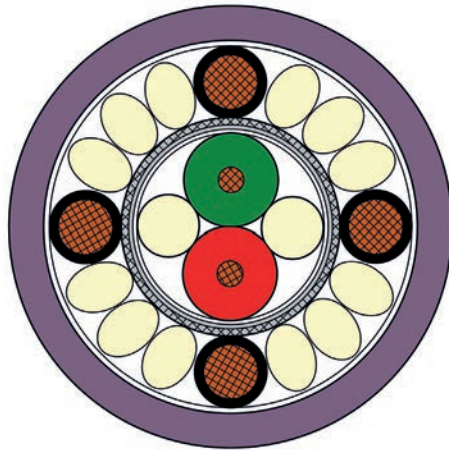


**Halogen-free Profibus-DP cable  
with valve control  
for use in cable tracks**

item no. 6349010  
cross section: 2 x 22 AWG + 4 x 16 AWG

**Halogen-free Profibus-DP cable  
with separate current supply  
for use in cable tracks**

item no. 6349015  
cross section: 2 x 22 AWG + 3 x 18 AWG



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### Construction:

<b>Conductor:</b>	bare copper strands, fine wires
<b>Insulation:</b>	22 AWG: cellular PE 18 & 16 AWG: TPE
<b>Stranding:</b>	Profibus twisted pairwise, pairs and conductors twisted in layers
<b>Profibus Shielding:</b>	tinned copper braiding
<b>Jacket material:</b>	TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
<b>Jacket color:</b>	red lilac (RAL 4001)
<b>Marking item no. 06349010:</b>	SAB BRÖCKSKES · D-VIERSEN · S PB 634 2 x 0.34 mm <sup>2</sup> + 4 x 1.5 mm <sup>2</sup> CE
<b>Marking item no. 06349015:</b>	SAB BRÖCKSKES · D-VIERSEN · S PB 634 2 x 0.34 mm <sup>2</sup> + 3 x 1.0 mm <sup>2</sup> CE

### Technical Data:

<b>Peak operating voltage:</b>	item no. 06349010: 100 V item no. 06349015: max. 350 V
<b>Testing voltage:</b>	conductor/conductor: 1500 V conductor/shielding: 1000 V
<b>Min. bending radius free movement:</b>	12 x O.D.
<b>Temperature range:</b>	static: -40/+80°C flexible: -40/+80°C
<b>Halogen-free:</b>	acc. to IEC 60754-1 + VDE 0482-754-1
<b>Oil resistance:</b>	TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
<b>Characteristic impedance:</b>	acc. to EN 50289-1-11 at 3-20 MHz: 150 Ω ± 15 Ω
<b>Approvals:</b>	CE, EAC, RoHS
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page O/30

item no.	dimension	nominal outer-ø		cable weight ≈lbs/mft	ohmic resistance at 20°C max. Ω/km
		inch	mm		
▶ 6349010	22 AWG/2c 16 AWG/4c	0.472	12	111	55.0 13.3

item no.	dimension	nominal outer-ø		cable weight ≈lbs/mft	ohmic resistance at 20°C max. Ω/km
		inch	mm		
▶ 6349015	22 AWG/2c 18 AWG/3c	0.417	10.6	69	55.0 19.5