

# PROFIBUS DP CABLES

## PROFIBUS 633 PE halogen-free, flexible SPECIAL PROFIBUS 633



ELETTROTEK KABEL® PROFIBUS 633

### Construction:

- Conductor:** **0,34 mm<sup>2</sup>:** stranded red copper conductor acc. to DIN VDE 0812  
**1,00 mm<sup>2</sup>:** Flexible red copper conductor Cl. 5, acc to IEC 60228, DIN VDE 0295
- Insulation:** **0,34 mm<sup>2</sup>:** special PE compound, acc. to DIN VDE 0819 part 103  
**1 mm<sup>2</sup>:** special PE compound, acc. to DIN VDE 0207 part 2
- Colour cores:** **0,34 mm<sup>2</sup>:** red, green  
**1 mm<sup>2</sup>:** brown, light blue and green-yellow
- Stranding:** in layers
- Screen:** aluminium tape + PETP foil and tinned copper braid
- Outer sheath:** **(PROFIBUS 633 PE):**  
violet (RAL 4001 or 4005), special PE compound acc. to DIN VDE 0207 part 3  
**(SPECIAL PROFIBUS 633):**  
violet (RAL 4001 or 4005), FRNC compound

### Resistance:



**Self-extinguishing and flame retardant acc.to:**  
IEC 60332-1-2  
IEC 60332-3-22  
**(SPECIAL PROFIBUS 633)**



**Halogen-free acc. to:**  
DIN VDE 0472 part 815 + IEC60754-1  
**(PROFIBUS 633 PE)**



**Corrosiveness of conflagration gases:**  
in compliance with IEC 60754-2  
and EN 50267-2-2 + VDE 0482 part 267-2-2  
no development of corrosive conflagration gases  
**(PROFIBUS 633 PE)**



**Oil resistance acc. to:**  
IEC 60811-2-1  
**(SPECIAL PROFIBUS 633)**

### Technical data:

- Peak operating voltage:** max. 350 V
- Test voltage:** 1,5 kV
- Temperature range (PROFIBUS 633 PE):**  
*Fixed laying:* -40°C up to +70°C  
*Flexible installation:* -5°C up to +70°C
- Temperature range (SPECIAL PROFIBUS 633):**  
*Fixed laying:* -25°C up to +80°C  
*Flexible installation:* -5°C up to +80°C
- Min. bending radius:** 12 x d
- Characteristic impedance 3-20 MHz:** 150 Ω ± 10%

### Special Profibus 633 Approvals:

Germanischer Lloyd  
Lloyds Register  
Bureau Veritas  
ABS  
Det Noske Veritas  
RoHS and CE approval



Part no.	No.of cores x cross section n x mm <sup>2</sup>	Outer-Ø ca.mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no.®)
39120CVB020M03	2 x 0,34	7,5	25,8	50	22
39120CV4027M10	2 x 0,34 + 3 x 1,00	10,1	58,8	101	22/18
39128CVB020M03	2 x 0,34	8	25,8	84	22