



ARCOCAVI

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Technical Data

**ARCO BUS-CABLES - PROFIBUS
FLEXIBLE SHIELDED PAIRED CABLES
PE - PUR
FOR PROCESS FIELD BUS - 100 - 120 OHM**

Application

Extra-flexible paired cable used for Process Field Bus
Systems for transfer of relevant data blocks
For power chains
Highly flexible application (frequently moving devices)

Type of cable

Type	Formation x mm ²
PB/0,25-FF	1 x 2 x 0,25
PB/0,25-FF	2 x 2 x 0,25

Constructional characteristics

Conductor stranding:
extra-flexible class 6 acc.Standards
VDE 0295 - IEC 228 - CEI 20-29
Primary insulation: PE compound
Cores identification: colours according DIN 47100
Taping: special plastic film
Shield: tinned copper braid on total -covering abt. 85%
Jacket: PUR compound
colour violet RAL 4001

Techinal characteristics and ratings

Service voltage: 250 V
Test voltage: 1500 V
Conductor resistance: max. 160 ohm/km (loop)
Insulation resistance: min. 1 Gohm x km (at 20°C)
Mutual capacitance: abt. 60 pF/m (800 Hz)
Charact. impedance: 100 - 120 Ohm
Temperature: service
storage
Min. bending radius: 15 x external cable diameter
Flame resistance: VDE 0472-804 B - IEC 332.1 - CEI 20-35
Halogen-free: acc. VDE 0472-815 Standards
Standard Reference: DIN 19 245 - EN 50 170