



ARCOCAVI

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Technical Data

**ARCO BUS-CABLES - PROFIBUS
FLEXIBLE SHIELDED PAIRED CABLES PE -
PVC
FOR PROCESS FIELD BUS - 135 - 165 OHM**

Application

Paired cable used for Process Field Bus Systems
for transfer of relevant data blocks
For stationary application

Constructional characteristics

Conductor stranding:

flexible AWG 22
0,64 Ø mm = 7 x 0,254 mm

Primary insulation: polyethylene PE

Cores identification:

red + green
for 1 mm² = black - blue - g/y

Taping: special plastic film

Shield: AL - PETP foil + copper braid on total

Jacket: polyethylene PE
PVC compound
colour violet RAL 4001

Type of cable

| Type | Formation x mm ² |
|------------|-------------------------------------|
| PB/0,64-F | 1 x 2 x 0,64 Ø mm |
| PBI/0,64-F | 1x2x0,64 Ø mm + 3x1 mm ² |

Techinal characteristics and ratings

Service voltage: 250 V

Test voltage: 1500 V

Conductor resistance: max. 133 Ohm/km (loop)

Insulation resistance: min. 1 Gohm x km (at 20°C)

Mutual capacitance: abt. 30 pF/m (800 Hz)

Charact. impedance: 135 - 165 Ohm

Temperature: service
storage

Min. bending radius: 75 mm

Flame resistance: VDE 0472-804 B - IEC 332.1 - CEI
20-35

Halogen-free (option.): acc. VDE 0472-815 Standards

Standard Reference: DIN 19 245 - EN 50 170