

BUS-PB

Profibus

1

**Technical Data:**

- **Conductor material** Copper bare
- **Stranding** Two cores twisted in pairs
- **Outer sheath** PVC for indoor installation, PE for outdoor installation, PU for use in drag chains, halogenfree compound
- **Sheath colour** Indoor installation: Violet
- **Rated voltage [V]** Max.100
- **Testing voltage [V]** 3600 V/3 sec
- **Insulation resistance** ≥ 16000 MO/km
- **Working temp fixed min/max [C]** -30°C up to +70°C
- **Working temp moved min/max [C]** -5°C up to +50°C
- **Burning behaviour** EC 60332-1-2: flame-retardant and self-extinguishing

Construction:

- twisted, Screen of plastic-laminated metal foil
- 2 cores twisted in pairs
- Single plain copper conductor for fixed installation or fine wired for use in drag chain
- CU-screen
- outer sheath PVC for indoor installation
- outer sheath PE for outdoor installation
- or halogen free outer sheath
- outer sheath colour violet
- also UL-approved available

Application:

For fix installation in dry rooms and for installation at outdoor and in earth for industrial communication of buses e.g. Sinec L2-DP and F.I.P. (Factory Instrumentation Protocol) as well as for high flexible use in drag chains.

Part Number	No of cores x Cross section	Outer Ø ca. mm	Copper weight kg /100	Weight 100 kg/100
207010024 UL/PUR	1 x 2 x 0.64	7.20	3.70	7.20
207010064	1 x 2 x 0.64	7.20	3.70	7.20
207010064 FC	1 x 2 x 0.64	7.20	3.70	7.20
207010064 FC/UL	1 x 2 x 0.64	7.20	3.70	7.20
207010064/A	1 x 2 x 0.64	7.20	3.70	7.20
207010064/H	1 x 2 x 0.64	7.20	3.70	7.20

BUS-LD

Bus Cable

**Technical Data:**

- **Conductor material** Copper bare
- **Core identification** Colour code according to DIN 47100
- **Stranding** 2 cores twisted into pairs and pairs into layers
- **Outer sheath** PVC
- **Sheath colour** Violet (RAL 4001)
- **Rated voltage [V]** 250/500
- **Testing voltage [V]** core/core 1500
- **Conductor resistance** (Loop):max. 186 Ω/km
- **Min. bending radius fixed [xd]** 8 x d
- **Working temp fixed min/max [C]** -40°C up to +80°C
- **Working temp moved min/max [C]** -5°C up to +70°C
- **Burning behaviour** EIC 60332-1-2 flame-retardant and self-extinguishing
- **Approvals** UL/CSA Typ CMX (UL 444), CSA C22.2 No. 214-02

Construction:

- plain copper conductors
- 2 cores twisted into pairs and pairs into layers
- colour code according to DIN 47100
- wrapping of plastic film
- screen of copper
- outer sheath PVC-based compound, violet (RAL 4001)
- UL-approved available
- Characteristics impedance: 100-120 Ohm

Application:

Industrial communication for flexible installation for field bus systems. Dry and humid rooms.

Part Number	No of cores x Cross section	Outer Ø ca. mm	Copper weight kg /100	Weight 100 kg/100
207010022	1 x 2 x 0.22	5.70	1.92	3.70
207020022	2 x 2 x 0.22	7.20	2.15	4.50
207030022	3 x 2 x 0.22	7.20	3.70	7.20