

Bus cable EIB/KNX PE



Application: Due to the increased test voltage and the special marking the cable is designed as bus cable in the EIB/KNX facility control system according to EN 50090. For the Instabus itself is used only the red/black pair (transmission of 24 V supply voltage plus data packages), the second pair (white/yellow) is redundant. The cable may be installed on or under plaster, in ducts and buried in the ground.

Construction and technical data:

| | |
|--|---|
| Conductor material: | copper, bare |
| Conductor construction: | Class 1 = solid |
| Insulation: | polyethylene |
| Stranding unit: | Pair |
| Stranding: | Layers |
| Screen: | plastic coated aluminium foil + solid copper drain wire |
| Sheathing material: | polyethylene |
| Colour of outer sheath: | black |
| UV-resistant: | yes |
| Permitted outer cable temperature, fixed, °C: | -30 - +70 °C |
| Permitted outer cable temperature, moved, °C: | -5 - +50 °C |
| Bending radius, fixed installation: | 7.5 x Ø |
| Insulation resistance: | 100 MOhm x km |



The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

EIB/KNX-cable PE

Test voltage: 4 kV

| part no. | part name | Rs [Ohm/km] | Ø [mm] | Cu | G [kg] |
|----------|-----------------------|-------------|--------|----|--------|
| 101639 | 2X2X0.8 direct burial | 73.2 | 8 | 21 | 75 |

| | |
|----|------------------------|
| Rs | Loop resistance |
| Ø | outer diameter approx. |
| Cu | Copper weight (GER) |
| G | net weight per 1000 |