



## Type

### Cable structure

Inner conductor diameter:  
Cable insulation:  
Core colours:  
Stranding element:  
Shielding 1:  
Shielding 2:  
Total shielding:  
Outer sheath material:  
Cable external diameter:  
Outer sheath colour:

## Fixed installation, indoor

### 1x2x0.64 mm

Copper, bare (AWG 22/1)  
Foam-skin-PE  
rd, gn  
2 cores + filler  
Polyester foil over stranded bundle  
Polyester foil, aluminium-lined  
Cu braid, tinned  
PVC  
8,0 mm ± 0,4 mm  
Violet similar to RAL 4001

## Fixed installation, outdoor

### 1x2x0.64 mm

Copper, bare (AWG 22/1)  
Foam-skin-PE  
rd, gn  
2 cores + filler  
Polyester foil over stranded bundle  
Polyester foil, aluminium-lined  
Cu braid, tinned  
PE  
8,0 mm ± 0,4 mm  
Black similar to RAL 9005

## Electrical data

Characteristic impedance:  
Conductor resistance:  
Insulation resistance:  
Mutual capacitance:  
Test voltage:  
Attenuation:

150 Ohm ± 10 %  
57,1 Ohm/km max.  
1,00 GOhm x km min.  
35,0 nF/km nom.  
1,5 kV  
9,6 kHz < 2,5 dB/km  
38,4 kHz < 4,0 dB/km  
4,0 MHz < 22,0 dB/km  
16,0 MHz < 42,0 dB/km

150 Ohm ± 10 %  
57,1 Ohm/km max.  
1,00 GOhm x km min.  
35,0 nF/km nom.  
1,5 kV  
9,6 kHz < 2,5 dB/km  
38,4 kHz < 4,0 dB/km  
4 MHz < 22,0 dB/km  
16 MHz < 42,0 dB/km

## Technical data

Weight:  
Min. bending radius for laying:  
Operating temperature range min.:  
Operating temperature range max.:  
Caloric load, approx value:  
Copper value:

approx. 75,0 kg/km  
120,0 mm  
-40 °C  
+70 °C  
1,07 MJ/m  
24,0 kg/km

approx. 65,0 kg/km  
120,0 mm  
-40 °C  
+70 °C  
1,45 MJ/m  
24,0 kg/km

## Norms

Applicable standards:  
UL Style:

Profibus acc. to DIN 19245 T3 and EN50170  
UL Style 2571

## Application

The application of these Profibus SK cables are in the cell and field area, just as for conventional types. The great advantage of this new system is the quick connection of the cable to the respective plugs. This type of processing also avoids errors. The above mentioned types are suitable for indoor- or outdoor installation and are equipped with a special PVC or PE sheath.

## Part no.

**81903**, Profibus SK

**81904**, Profibus SK