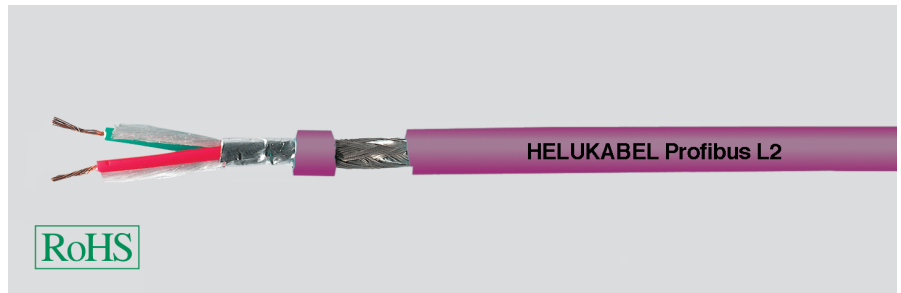
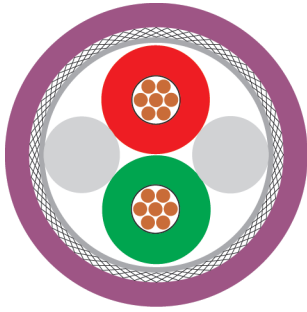


# BUS Cables

## Profibus L2 7-wire



PVC



### Type

#### Cable structure

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

### Mobile use

#### 1x2x0.64 mm (stranded)

Copper, bare (AWG 24/7)  
Foam-skin-PE  
rd, gn  
2 cores + 2 fillers stranded together  
Polyester foil over stranded bundle  
Al-Foil  
Cu braid, tinned  
PVC  
app. 7,8 mm ± 0,3 mm  
Violet similar to RAL 4001

### Electrical data

Characteristic impedance: 150 Ohm ± 10 %  
Conductor resistance, max.: 80 Ohm/km  
Insulation resistance, min.: 2 GOhm x km  
Loop resistance: 160 Ohm/km max.  
Mutual capacitance: 30 nF/km nom.  
Test voltage: 1,5 kV  
Attenuation: 9,6 kHz < 2,9 dB/km  
38,4 kHz < 4,6 dB/km  
4 MHz < 25,0 dB/km  
16 MHz < 49,0 dB/km

### Technical data

Weight: app. 70 kg/km  
bending radius, repeated: 94 mm  
Operating temperature range min.: -30°C  
Operating temperature range max.: +80°C  
Caloric load, approx. value: 1,20 MJ/m  
Copper weight: 24,00 kg/km

### Norms

Applicable standards: Profibus acc. to DIN 19245 T3 and EN50170  
Flame-retardant acc. to EN 50265-2-1  
UL Style: UL Style 2571

### Application

HELUKABEL® Profibus L2 7-wire for mobile applications in Profibus industrial networks. With its core design and the special PVC sheath, the type described here is suitable for normal mobile applications.

### Part no.

**800648**, Profibus L2

Dimensions and specifications may be changed without prior notice.