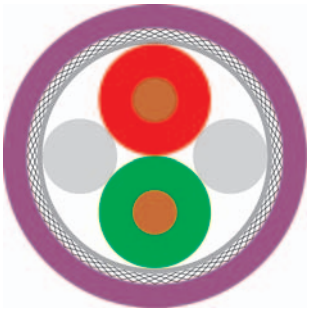
BUS Cables

Profibus L2

HELUKABEL

Indoor



Type	Fixed installation, indoor	Fixed installation, indoor
Cable structure	**1x2x0.64 mm**	**1x2x0.64 mm**
Inner conductor diameter:	Copper, bare (AWG 22/1)	Copper, bare (AWG 22/1)
Core insulation:	Foam-skin-PE	Foam-skin-PE
Core colours:	rd, gn	rd, gn
Stranding element:	2 cores + 2 fillers stranded together	2 cores + 2 fillers stranded together
Shielding 1:	Polyester foil over stranded bundle	Polyester foil over stranded bundle
Shielding 2:	Polyester foil, aluminium-lined	Polyester foil, aluminium-lined
Total shielding:	Cu braid, tinned	Cu braid, tinned
Outer sheath material:	PVC	PVC
Cable external diameter:	approx. 7,8 mm ± 0,2 mm	approx. 7,8 mm ± 0,2 mm
Outer sheath colour:	Grey similar to RAL 7001	Violet similar to RAL 4001
Electrical data		
Characteristic impedance:	150 Ohm ± 10 %	150 Ohm ± 10 %
Conductor resistance, max.:	55 Ohm/km	55 Ohm/km
Insulation resistance, min.:	1 GOhm x km	1 GOhm x km
Loop resistance:	110 Ohm/km max.	110 Ohm/km max.
Mutual capacitance:	30 nF/km nom.	30 nF/km nom.
Test voltage:	1,5 kV	1,5 kV
Attenuation:	9,6 kHz < 2,5 dB/km	9,6 kHz < 2,5 dB/km
	38,4 kHz < 4,0 dB/km	38,4 kHz < 4,0 dB/km
	4 MHz < 22,0 dB/km	4 MHz < 22,0 dB/km
	16 MHz < 42,0 dB/km	16 MHz < 42,0 dB/km
Technical data		
Weight:	approx. 69 kg/km	approx. 69 kg/km
bending radius, repeated:	120 mm	120 mm
Operating temperature range min.:	-40°C	-40°C
Operating temperature range max.:	+70°C	+70°C
Caloric load, approx. value:	0,99 MJ/m	0,99 MJ/m
Copper weight:	24,00 kg/km	24,00 kg/km
Norms		
Applicable standards:	Profibus acc. to DIN 19245 T3 and EN50170	Profibus acc. to DIN 19245 T3 and EN50170
UL Style:	CMX 75°C (shielded)	CMX 75°C (shielded)
CSA standard:	CSA FT1	CSA FT1

Application

This system cable is used to interconnect L2-BUS components. This cable is an economical solution for the cell and field area. For the information exchange between different automation systems as well as for communication with the connected decentralized field units, serial field bus systems are used. The types mentioned here are suitable for indoor laying and are equipped with a special PVC sheath.

Part no.	**80384,** Profibus L2	**81448,** Profibus L2

Dimensions and specifications may be changed without prior notice.