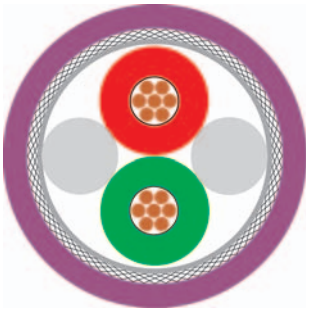
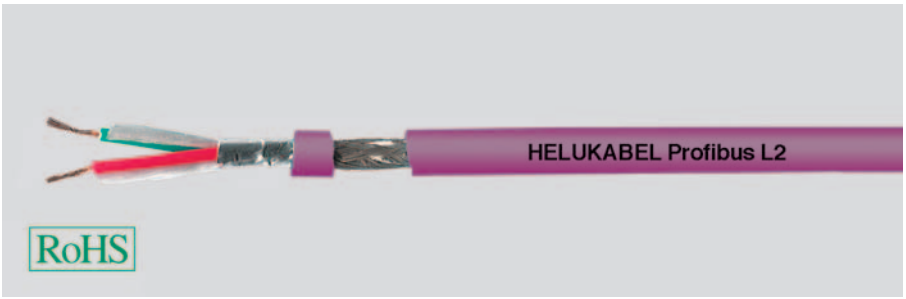
BUS Cables

Profibus L2

HELUKABEL

7-wire





Type
Cable structure

Mobile use
1x2x0.64 mm (stranded)

Inner conductor diameter:	Copper, bare (AWG 24/7)
Core insulation:	Foam-skin-PE
Core colours:	rd, gn
Stranding element:	2 cores + 2 fillers stranded together
Shielding 1:	Polyester foil over stranded bundle
Shielding 2:	Polyester foil, aluminium-lined
Total shielding:	Cu braid, tinned
Outer sheath material:	PVC
Cable external diameter:	approx. 7,8 mm ± 0,2 mm
Outer sheath colour:	Violet similar to RAL 4001

Electrical data

Characteristic impedance:	150 Ohm ± 10 %			
Conductor resistance, max.:	86,7 Ohm/km			
Insulation resistance, min.:	1 GOhm x km			
Loop resistance:	110 Ohm/km max.			
Mutual capacitance:	30 nF/km nom.			
Test voltage:	1,5 kV			
Attenuation:	9,6	kHz	< 3,0	dB/km
	38,4	kHz	< 5,0	dB/km
	4	MHz	< 26,0	dB/km
	16	MHz	< 55,0	dB/km

Technical data

Weight:	approx. 75 kg/km
bending radius, repeated:	120 mm
Operating temperature range min.:	-20°C
Operating temperature range max.:	+70°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
UL Style:	UL Style 2571

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. With his cord design, the type mentioned here is suitable for laying in regular mobile applications and is equipped with a special PVC sheath.

Part no.

800648, Profibus L2

Dimensions and specifications may be changed without prior notice.