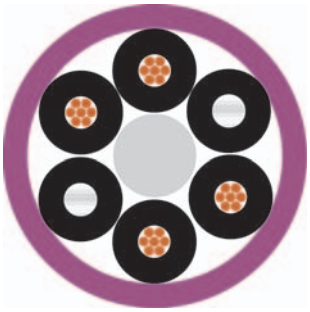
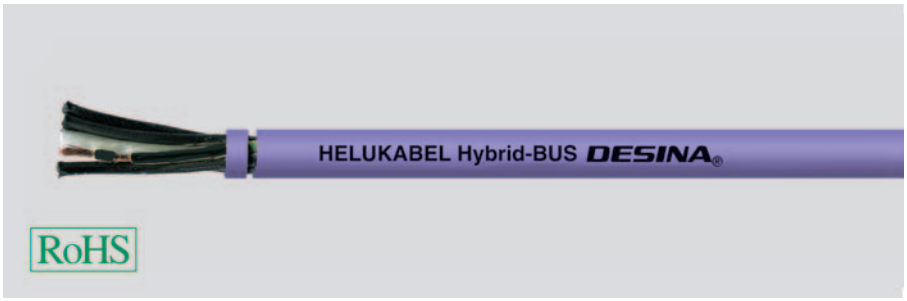
BUS Cables

DESINA-HYBRID-BUS

HELUKABEL® DESINA
hybrid





Type	**Hybrid Bus Cable**
Cable structure	**4x1.5 mm² + 2xPOF**
Conductor material	Copper, bare, KL.6 = extra fine wire
Core insulation:	TPM
Polymer optical fibre:	4x POF 980/1000
Core colours:	Black
Core identification:	Numbers
Total shielding:	PETP fleece
Outer sheath material:	TPU
Cable external diameter:	approx. 8,8 mm ± 0,3 mm
Outer sheath colour:	Violet similar to RAL 4001

Electrical data

Conductor resistance, max.:	13,7 Ohm/km
Insulation resistance, min.:	0,5 GOhm x km
Test voltage:	3 kV

Optical characteristic

Fibre attenuation:	230 dB/km max. at 650 nm

Technical data

Weight:	approx. 120 kg/km
bending radius, repeated:	130 mm
Operating temperature range min.:	-20°C
Operating temperature range max.:	+80°C
Copper weight:	60,00 kg/km

Norms

Applicable standards:	Detail specification for DESINA

Application

The DESINA® Cu/POF hybrid field bus cables combines signal lines made of plastic fibre-optic conductors and copper cables. The use of these transmission systems significantly reduces the number of different cables in a planned bus installation in machine tools operations. The main applications of these cables are in mobile applications in machine construction.

Part no.

81713, DESINA HYBRID BUS

Dimensions and specifications may be changed without prior notice.