



Type Cable structure

Conductor material:
Core insulation:
Polymer optical fibre:
Core colours:
Core identification:
Total shielding:
Outer sheath material:
Cable external diameter:
Outer sheath colour:

Hybrid Bus Cable 4x1.5 mm² + 2xPOF

Copper, bare, KL.6 = extra fine wire
TPM
4x POF 980/1000
Black
Numbers
PETP fleece
TPU
8,8 mm ± 0,3 mm
Violet similar to RAL 4001

Electrical data

Conductor resistance: 13,7 Ohm/km max.
Insulation resistance: 0,50 GOhm x km min.
Test voltage: 3,0 kV

Optical characteristic

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

Technical data

Weight: approx. 120,0 kg/km
Min. bending radius for laying: 130,0 mm
Operating temperature range min.: -20 °C
Operating temperature range max.: +80 °C
Copper weight: 60,0 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