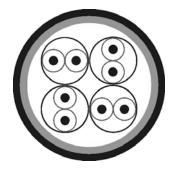
# **Industrial Ethernet**

# HELUKAT<sup>®</sup> 600IND

## RoHS

S-STP ROBUST



### Type Cable structure

Inner conductor diameter: Core insulation: Core colours: Stranding element: Shielding 1: Shielding 2: Screen 1 over stranding: Screen 2 over stranding: Outer sheath material: Cable external diameter: Outer sheath colour:

# Electrical data

Characteristic impedance:

Mutual capacitance:

### **Typical values**

| Frequency   | (MHz)     | 10    | 16    | 62,5 | 100  | 200  | 300  | 600  |  |
|-------------|-----------|-------|-------|------|------|------|------|------|--|
| Attenuation | (dB/100m) | 5,6   | 7,1   | 13,9 | 17,5 | 25,2 | 32,1 | 44,9 |  |
| Next        | (db)      | 100,0 | 100,0 | 96,0 | 94,0 | 88,0 | 84,0 | 73,0 |  |
| ACR         | (db)      | 94,4  | 92,9  | 82,1 | 76,5 | 62,8 | 51,9 | 28,1 |  |

# **Technical data**

Weight:approx. 62,00 kg/kmMin. bending radius for laying:85,0 mmOperating temperature range min.:-40°COperating temperature range max.:+80°CCaloric load, approx. value:0,74 MJ/mCopper weight:34,0 kg/km

### Norms

Acc. to ISO/IEC 11801, Acc. to EN 50173, Acc. to EIA/TIA 568-A, Category 7, Flame-retardant acc. to IEC 60332-1, Halogen-free acc. to 60754-2, Corrosiveness acc. to EN50267-2-3, Oil-resistant

### Application

HELUKAT® 600IND data cables are used for harsh industrial applications. Mechanical characteristics are the steady against mineral oils, fats and cooling lubricants. Also they are microben resistant and hydrolysis resistant. Electrically they are characterized by large performance reserves and outstanding performance. They can be used to implement services such as Gigabit Ethernet, Fast Ethernet, Ethernet, ATM155, FDDI, token ring 4/16 Mbit/s or ISDN absolutely trouble-free. The cables thus exceed the requirements for EN55022 Class B emission and EN55024 immunity. So this serie has a superior electromagnetic compatibility qualification.

**MELUKABEL** 

### Part no.

801197, S-STP 4x2xAWG 23/1 PUR

Dimensions and specifications may be changed without prior notice.





# Industrial Area S-STP 4x2xAWG 23/1 PUR

Copper, bare (AWG 23/1) Foam-skin-PE wh/bu, wh/og, wh/gn, wh/bn Double core -Polyester foil, aluminium-lined Cu braid

PUR approx. 8,2 mm Green similar to RAL 6018

100 Ohm  $\pm$  15 ohm at 1 to 100 MHz 100 Ohm  $\pm$  20 ohm at 101 to 600 MHz 43,0 nF/km nom.

