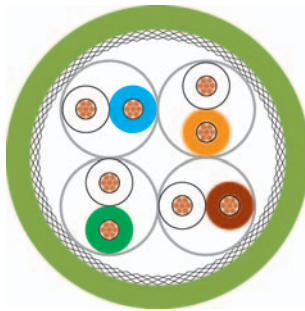


# Industrial Ethernet

ROBUSTFLEX

**HELUKAT® 600IND**

S/FTP, Category 7



## 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:

## Industrial Patch Cables

### S-STP 4x2xAWG 26/7 PUR

Copper, bare (AWG 26/7)  
Foam-skin-PE  
wh/bu, wh/og, wh/gn, wh/bn  
Double core  
-  
Polyester foil, aluminium-lined  
Cu braid  
-  
PUR  
approx. 6,4 mm  
Green similar to RAL 6018

## Electrical data

Characteristic impedance:

100 Ohm  $\pm$  15 ohm at 1 to 100 MHz  
100 Ohm  $\pm$  20 ohm at 101 to 600 MHz  
290 Ohm/km max.  
42 nF/km nom.  
64 %

Loop resistance:

Mutual capacitance:

Relative propagation velocity:

## Typical values

Frequency (MHz)	10	16	62,5	100	200	600
Attenuation (db/10m)	0,8	1,1	2,2	2,8	4,0	7,4
Next (db)	80,0	80,0	75,0	72,0	68,0	61,0
ACR (db)	79,2	78,9	72,8	69,2	64,0	53,6

## Technical data

Weight: approx. 48 kg/km  
bending radius, repeated: 64 mm  
Operating temperature range min.: -40°C  
Operating temperature range max.: +80°C  
Caloric load, approx. value: 0,45 MJ/m  
Copper weight: 28,00 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, Smoke density acc. to IEC 61034, Halogen-free acc. to 60754-2, Corrosiveness acc. to EN50267-2-3, Oil-resistant, AWM 20963 (80°C/30V)

## Application

HELUKAT®600 industry data cables were designed for high requirements in the industry (industrial ethernet) and other heavy-duty environments. They are characterized by large performance reserves and outstanding performance. Mechanically they are also perfectly suited for rough industrial environments due to their halogen-free PUR outer sheath. These line are manufacturable with common RJ45 plugs (industry and office version), and also with some Sub-D and M12 plugs.

## Part no.

**802184,** S/FTP 4x2xAWG 26/7 PUR (S-STP)

Dimensions and specifications may be changed without prior notice.