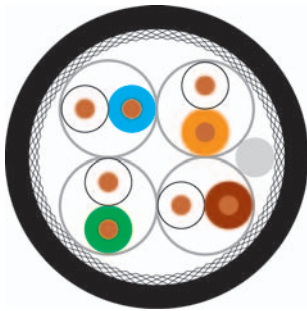


# LAN Cable direct Burial

Category 7e

**HELUKAT® 600E**  
S/FTP PVC



## Cable structure

Inner conductor diameter:  
Conductor material:  
Core insulation:  
Core colours:  
Shielding 1:  
Screen over stranding element:  
Screen 1 over stranding:  
Screen 2 over stranding:  
Drain wire:  
Outer sheath material:  
Outer diameter:  
Outer sheath colour:

## S/FTP 4x2xAWG 23/1 direct burial

0,58 mm  
Copper, bare  
PO  
wh/bu, wh/og, wh/gn, wh/bn  
-  
Polyester foil, aluminium-lined  
Cu braid  
-  
yes  
PVC  
approx. 9,8 mm  
Black

## Electrical data

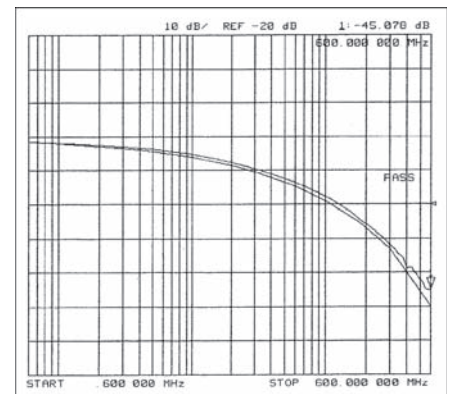
Characteristic impedance:

100 Ohm  $\pm$  15 ohm at 1 to 100 MHz  
100 Ohm  $\pm$  20 ohm at 101 to 1000 MHz  
150 Ohm/km max.  
42 nF/km nom.  
79 %

Loop resistance:

Mutual capacitance:

Rel. propagation velocity:



## Typical values

Frequency (MHz)	10	16	62,5	100	200	300	600	900	1000
Attenuation (dB/100m)	5,6	7,1	13,9	17,5	25,2	32,1	44,9	55,0	58,0
Next (db)	100,0	100,0	96,0	94,0	88,0	84,0	73,0	71,0	69,0
ACR (db)	94,4	92,9	82,1	76,5	62,8	51,9	28,1	16,0	9,0

## Technical data

Weight: approx. 102 kg/km  
bending radius, repeated: 100 mm  
Operating temperature range min.: -45°C  
Operating temperature range max.: +65°C  
Caloric load, approx. value: 1,40 MJ/m  
Copper weight: 32,00 kg/km

## Norms

Acc. to ISO/IEC 11801, Acc. to EN 50173, Acc. to EIA/TIA 568-A, Category 7e,  
Flame-retardant acc. to IEC 60332-1, Smoke density acc. to IEC 61034, UL 1581 VW-1

## Application

HELUKAT® 600 data cables are used in the tertiary, but also in the secondary level of a network. 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 serie of HELUKAT® 600E with a cold resistant PVC jacket is constructed especially for outdoor applications like laying at house walls or direct burial.

## Part no.

**802167**, S/FTP 4x2xAWG23/1 PVC (S-STP)

Dimensions and specifications may be changed without prior notice.

