

new



## Cable structure

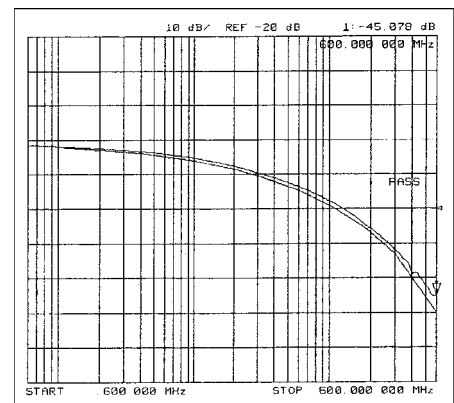
Inner conductor diameter:  
 Conductor material:  
 Core insulation:  
 Core colours:  
 Shielding 1  
 Screen over stranding element:  
 Screen 1 over stranding:  
 Screen 2 over stranding:  
 Inner sheath material:  
 Art der Bewehrung:  
 Outer sheath material:  
 Outer Ø  
 Outer sheath colour:

## S-STP 4x2xAWG 23/1 FRNC/PE

0,58 mm  
 Copper, bare  
 PO  
 wh/bu, wh/og, wh/gn, wh/bn  
 -  
 Polyester foil, aluminium-lined  
 Cu braid  
 -  
 FRNC  
 Steel shaft  
 PE  
 approx. 12,0 mm  
 Black

## Electrical data

Characteristic impedance: 100 Ohm ± 15 ohm at 1 to 100 MHz  
 100 Ohm ± 20 ohm at 101 to 600 MHz  
 Loop resistance: 150 Ohm/km max.  
 Mutual capacitance: 43,00 nF/km nom.  
 Rel. propagation velocity: 79 %



## Typical values

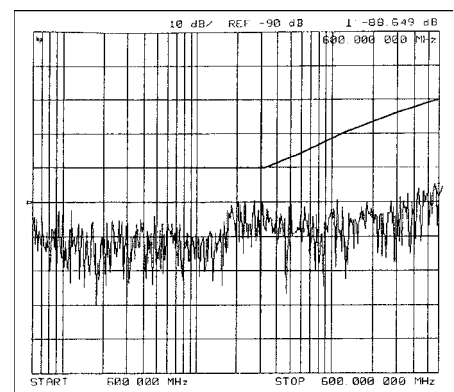
Frequency (MHz)	10	16	62,5	100	200	300	600
Attenuation (dB/100m)	5,8	7,4	14,6	18,4	26,2	32,1	49,0
Next (db)	85,0	85,0	85,0	85,0	83,0	80,0	80,0
ACR (db)	79,2	77,6	70,4	66,6	56,8	47,9	31,0

## Technical data

Weight: 154,00 kg/km  
 Min. bending radius for laying: 330 mm  
 Operating temperature range min.: -45°C  
 Operating temperature range max.: +70°C  
 Caloric load, approx. value: 2,30 MJ/m  
 Copper weight: 34,00 kg/km

## Norms

Acc. to ISO/IEC 11801, Acc. to EN 50173, Acc. to EIA/TIA 568-A, Category 7



## 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® 600AE with a FRNC/PVC double jacket and the rodent protection is constructed especially for outdoor and direct burial applications.

## Part no.

**802168**

Dimensions and specifications may be changed without prior notice.