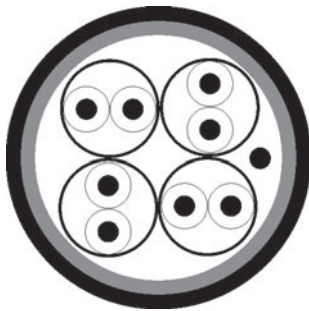


# LAN Cable

Category 6A

**HELUKAT® 500**  
F-FTP

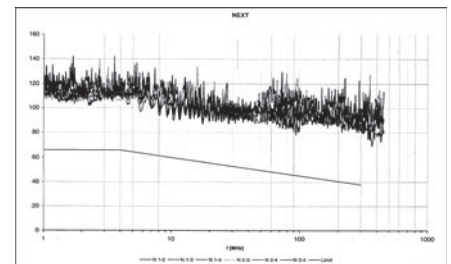


new

## Cable structure

Inner conductor diameter: 0,57 mm  
 Conductor material: Copper, bare  
 Core insulation: Foam-skin-PE  
 Core colours: wh/bu, wh/og, wh/gn, wh/bn  
 Shielding 1: -  
 Screen over stranding element: Polyester foil, aluminium-lined  
 Screen 1 over stranding: Polyester foil, aluminium-lined  
 Screen 2 over stranding: -  
 Outer sheath material: LSZH  
 Outer diameter: approx. 7,5 mm  
 Outer sheath colour: Blue Lilac similar to RAL 4005

## F/FTP 4x2xAWG 23/1 LSZH



## Electrical data

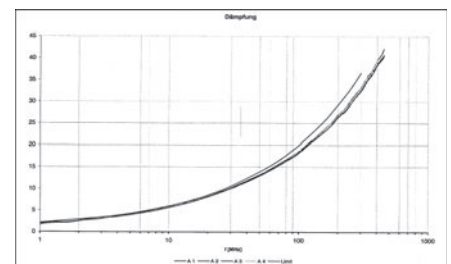
Characteristic impedance: 100 Ohm ± 15 ohm at 1 to 100 MHz  
 100 Ohm ± 20 ohm at 101 to 500 MHz  
 Loop resistance: 160 Ohm/km max.  
 Mutual capacitance: 45 nF/km nom.  
 Rel. propagation velocity: 80 %

## Typical values

Frequency (MHz)	10	16	62,5	100	200	250	300	500
Attenuation (db/100m)	5,7	7,2	14,2	18,1	25,8	29,0	31,9	41,8
Next (db)	100,0	100,0	100,0	97,4	92,9	91,4	90,2	86,9
ACR (db)	94,3	92,8	85,8	79,3	67,1	62,4	58,3	45,1

## Technical data

Weight: approx. 50 kg/km  
 Min. bending radius for laying: 100 mm  
 Operating temperature range min.: -20°C  
 Operating temperature range max.: +60°C  
 Caloric load, approx. value: 0,55 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 6A,  
 Flame-retardant acc. to IEC 60332-3, Smoke density acc. to IEC 61034, Halogen-free acc. to 60754-2, Corrosiveness acc. to EN50267-2-3

## Application

HELUKAT® 500 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 10Gigabit Ethernet, Gigabit Ethernet, Fast Ethernet, Ethernet, ATM155, FDDI, token ring 4/16 Mbit/s or ISDN absolutely trouble-free. Likewise, the mechanical characteristics are perfectly suited for the application in tight cable channels and platforms due to their optimized construction.

## Part no.

**803378**, F-FTP 4x2xAWG 23/1 LSZH

Dimensions and specifications may be changed without prior notice.