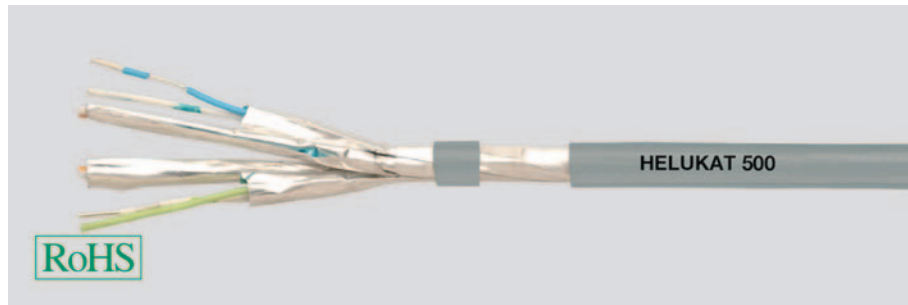


# LAN Cable

Category 6A

**HELUKAT® 500**

U/FTP, flex



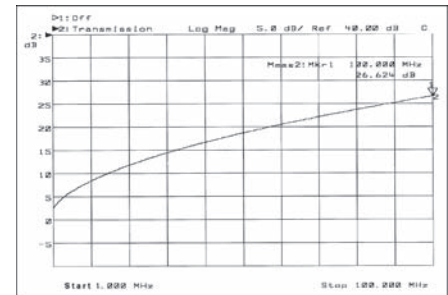
## Cable structure

Inner conductor Ø:	0,48 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:	-
Screen 2 over stranding:	-
Drain wire:	yes
Outer sheath material:	LSZH
Outer diameter:	app. 5,8 mm
Outer sheath colour:	Grey similar to RAL 7035

## U/FTP 4x2xAWG 26/7 (stranded) 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:	330 Ohm/km max.
Mutual capacitance:	54 nF/km nom.
Rel. propagation velocity:	78 %



## Typical values

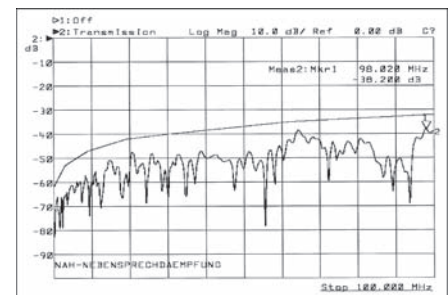
Frequency (MHz)	10	16	62,5	100	200	250	500
Attenuation (dB/10m)	0,8	1,1	2,1	2,7	3,9	4,4	6,3
Next (db)	100,0	100,0	100,0	97,0	92,0	91,0	86,0
ACR (db)	99,2	98,9	97,9	94,3	88,1	86,6	79,7

## Technical data

Weight:	app. 35 kg/km
bending radius, repeated:	49 mm
Operating temperature range min.:	-20°C
Operating temperature range max.:	+60°C
Caloric load, approx. value:	0,39 MJ/m
Copper weight:	15,00 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 60332-1, 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 level of a network as patch cables and connection cables. 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. With its optimized construction, the HELUKAT®500 series can be manufactured quickly and easily with many common RJ45 plugs.

## Part no.

**804043**, U/FTP 4x2xAWG 26/7 LSZH

Dimensions and specifications may be changed without prior notice.