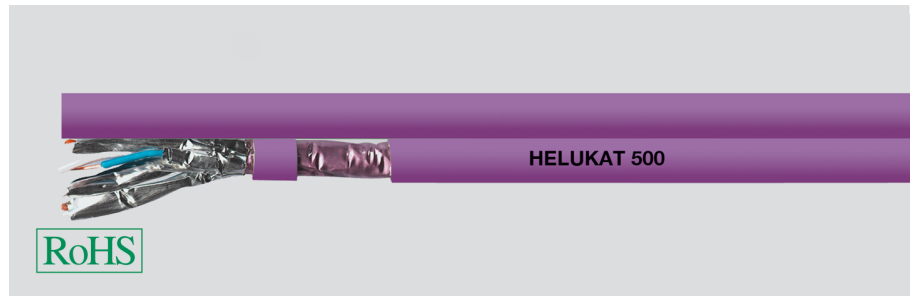
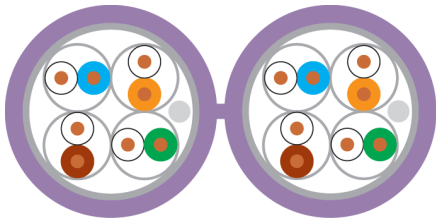


LAN Cable

Category 6A

HELUKAT® 500

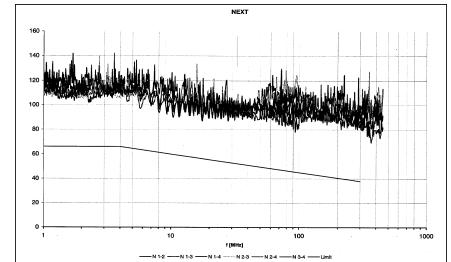
F/FTP duplex



Cable structure

Inner conductor Ø: 0,57 mm
Conductor material: Copper, bare
Core insulation: Foam-skin-PE
Core colours: wh/bu, wh/og, wh/gn, wh/bn
Separator: -
Screen over stranding element: Al-Foil
Screen 1 over stranding: Al-Foil
Screen 2 over stranding: -
Drain wire: yes
Outer sheath material: LSZH
Cable dimensions: app. 7,8 mm x 15,9 mm
Outer sheath colour: Blue Lilac similar to RAL 4005

F/FTP 2x(4x2xAWG 23/1) LSZH (S-STP)



Electrical data

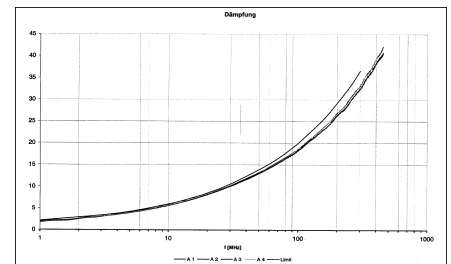
Characteristic impedance: 100 Ohm ± 15 Ohm at 1 to 100 MHz
100 Ohm ± 20 Ohm at 101 to 500 MHz
Loop resistance: 160 Ohm/km max.
Mutual capacitance: 45 nF/km nom.
Rel. propagation velocity: 80 %

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: app. 100 kg/km
bending radius, repeated: 100 mm
Operating temperature range min.: -20°C
Operating temperature range max.: +60°C
Caloric load, approx. value: 1,13 MJ/m
Copper weight: 52,00 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.

803379, F/FTP 2x4x2xAWG 23/1 LSZH (S-STP)

Dimensions and specifications may be changed without prior notice.