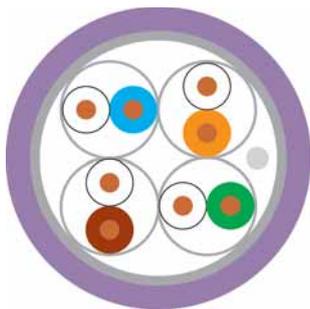


LAN Cable

Category 6A

HELUKAT® 500 

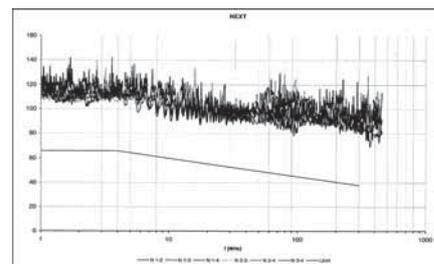
F/FTP



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: FRNC
 Outer diameter: app. 7,5 mm
 Outer sheath colour: Blue Lilac similar to RAL 4005

F/FTP 4x2xAWG 23/1 FRNC



Electrical data

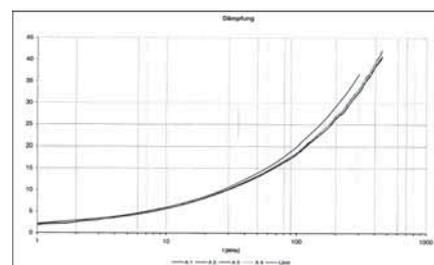
Characteristic impedance: 100 Ohm ± 15 Ohm at 1 to 100 MHz
 100 Ohm ± 20 Ohm at 101 to 500 MHz
 Loop resistance: 160 Ohm/km max.
 Mutual capacitance: 45 nF/km nom.
 Rel. propagation velocity: 80 %

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. 50 kg/km
 bending radius, repeated: 100 mm
 Operating temperature range min.: -20°C
 Operating temperature range max.: +60°C
 Caloric load, approx. value: 0,55 MJ/m
 Copper weight: 26,00 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 (S-STP)

Dimensions and specifications may be changed without prior notice.