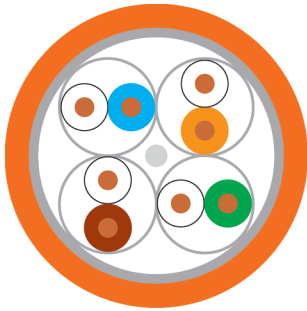


LAN Cable

Category 6A

HELUKAT[®] 500
F/FTP

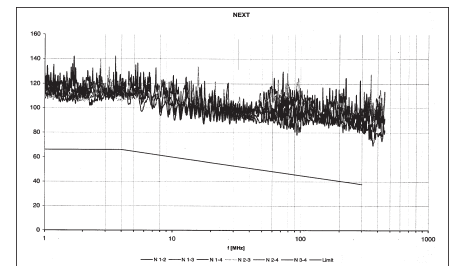


Cable structure

Conductor material:
Core insulation:
Core colours:
Separator:
Screen over stranding element:
Screen 1 over stranding:
Screen 2 over stranding:
Drain wire:
Outer sheath material:
Outer diameter:
Outer sheath colour:

F/FTP 4x2xAWG 23/1 LSZH

Copper, bare
Foam-skin-PE
wh/bu, wh/og, wh/gn, wh/bn
-
Al-Foil
Al-Foil
-
yes
LSZH
app. 7,5 mm
orange similar to RAL 2003



Electrical data

Characteristic impedance:

Loop resistance:
Mutual capacitance:
Rel. propagation velocity:

100 Ohm \pm 15 Ohm at 1 to 100 MHz
100 Ohm \pm 20 Ohm at 101 to 500 MHz
160 Ohm/km max.
45 nF/km nom.
79%

Typical values

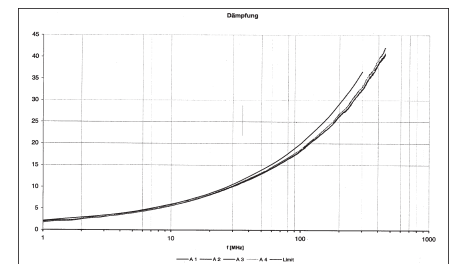
Frequency (MHz)	10	16	62,5	100	250	500
Attenuation (dB/100m)	5,3	6,8	13,6	17,3	27,7	41,9
Next (dB)	>100,0	>100,0	97	95	90	83,0
ACR (dB)	94,7	92,8	83,4	77,7	62,3	41,1

Technical data

Weight: app. 53 kg/km
bending radius, repeated: 60 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-B-2-10, Category 6A, IEC 61156-5, Flame-retardant acc. to IEC 60332-3-24, Smoke density acc. to IEC 61034, Halogen-free acc. to 60754-2, Corrosiveness acc. to EN50267-2



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.

805258, F/FTP 4x2xAWG 23/1 LSZH

Dimensions and specifications may be changed without prior notice.