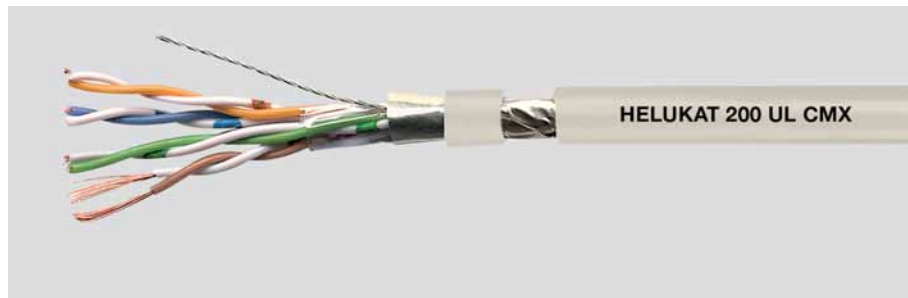


# LAN Cable

Category 5e

**HELUKAT® 200**

F/UTP Flex, UL



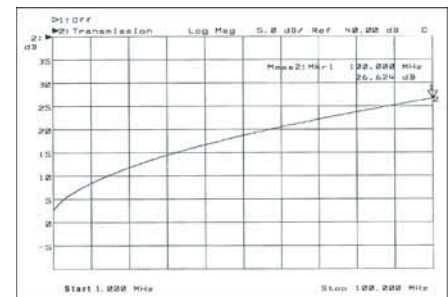
## Cable structure

Inner conductor Ø: 0,48 mm  
 Conductor material: Copper, bare  
 Core insulation: PE  
 Core colours: whbu/bu, whog/og, whgn/gn, whbn/bn  
 Separator: -  
 Screen over stranding element: -  
 Screen 1 over stranding: Al-Foil  
 Screen 2 over stranding: -  
 Drain wire: yes  
 Outer sheath material: PVC  
 Outer diameter: app. 5,4 mm  
 Outer sheath colour: Grey similar to RAL 7035

## F/UTP 4x2xAWG 26/7 PVC, UL

## Electrical data

Characteristic impedance: 100 Ohm ± 15 Ohm at 1 to 100 MHz  
 100 Ohm ± 20 Ohm at 101 to 200 MHz  
 Loop resistance: 290 Ohm/km max.  
 Mutual capacitance: 50 nF/km nom.  
 Rel. propagation velocity: 67 %



## Typical values

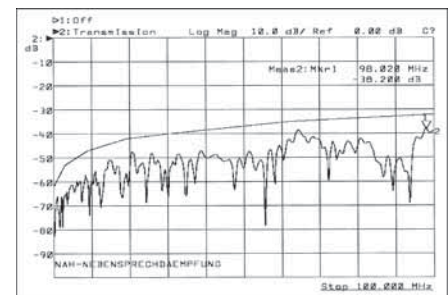
Frequency (MHz)	10	16	62,5	100	200
Attenuation (db/10m)	0,9	1,2	2,4	3,1	3,9
Next (db)	62,0	60,0	50,0	48,0	45,0
ACR (db)	61,1	58,8	47,6	44,9	41,1

## Technical data

Weight: app. 30 kg/km  
 bending radius, repeated: 44 mm  
 Operating temperature range min.: -20°C  
 Operating temperature range max.: +60°C  
 Caloric load, approx. value: 0,40 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 5e, Flame-retardant acc. to IEC 60332-1-2, CMX 444



## Application

HELUKAT®200 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 Gigabit Ethernet, Fast Ethernet, Ethernet, ATM155, FDDI, token ring 4/16 Mbit/s, or ISDN absolutely trouble-free. With its optimized construction, the HELUKAT®200 series can be manufactured quickly and easily with all common RJ45 plugs. This type is certified according to UL because of the special PVC jacket.

## Part no.

**802173**, F/UTP 4x2xAWG26/7 PVC UL (FTP)

Dimensions and specifications may be changed without prior notice.

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