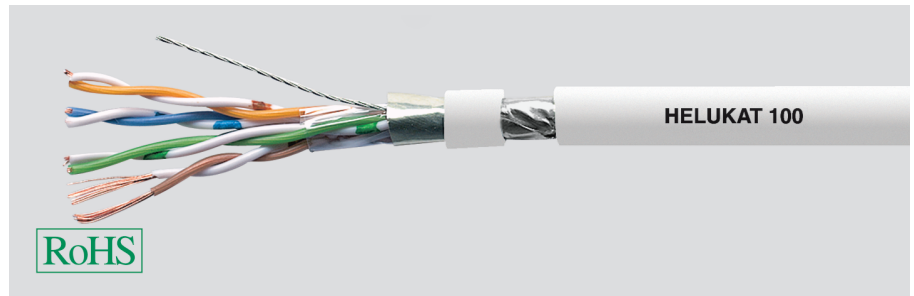
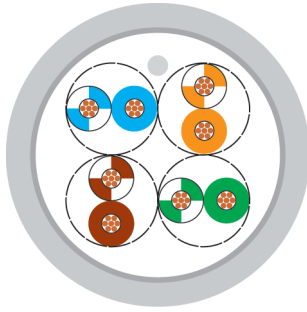


# LAN Cable

Category 5

**HELUKAT® 100**

F/UTP flex

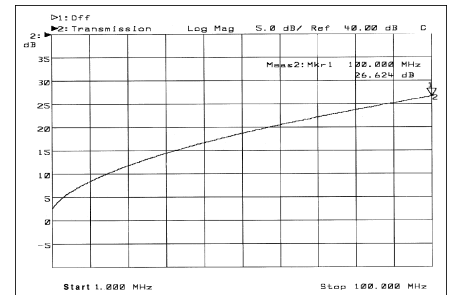


## Cable structure

Inner conductor Ø:  
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/UTP 4x2xAWG 26/7 FRNC

0,48 mm  
Copper, bare  
Foam-skin-PE  
whbu/bu, whog/og, whgn/gn, whbn/bn  
-  
-  
Al-Foil  
-  
yes  
FRNC  
app. 5,3 mm  
Grey similar to RAL 7035



## Electrical data

Characteristic impedance:  
Loop resistance:  
Mutual capacitance:  
Rel. propagation velocity:

100 Ohm  $\pm$  15 Ohm at 1 to 100 MHz  
290 Ohm/km max.  
50 nF/km nom.  
74 %

## Typical values

| Frequency (MHz)      | 10   | 16   | 62,5 | 100  |
|----------------------|------|------|------|------|
| Attenuation (dB/10m) | 0,9  | 1,2  | 2,4  | 2,9  |
| Next (db)            | 58,0 | 56,0 | 45,0 | 43,0 |
| ACR (db)             | 57,1 | 54,8 | 42,6 | 40,1 |

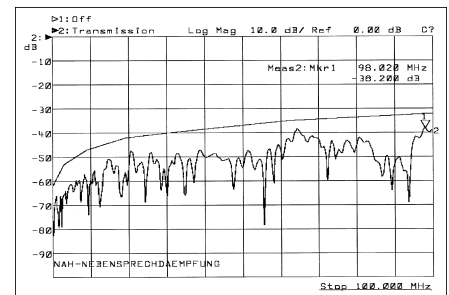
## Technical data

Weight:  
bending radius, repeated:  
Operating temperature range min.:  
Operating temperature range max.:  
Caloric load, approx. value:  
Copper weight:

app. 31 kg/km  
40 mm  
-20°C  
+60°C  
0,45 MJ/m  
14,00 kg/km

## Norms

Acc. to ISO/IEC 11801, Acc. to EN 50173, Acc. to EIA/TIA 568-A, Category 5, Flame-retardant acc. to IEC 60332-1-2, Smoke density acc. to IEC 61034, Halogen-free acc. to 60754-2, Corrosiveness acc. to EN50267-2-3



## Application

HELUKAT® 100 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 Fast Ethernet, Ethernet, ATM155, FDDI, token ring 4/16 Mbit/s, or ISDN absolutely trouble-free. With its optimized construction, the HELUKAT® 100 series can be manufactured quickly and easily with all common RJ45 plugs.

## Part no.

**81278**, F/UTP 4x2xAWG 26/7 FRNC (FTP)

Dimensions and specifications may be changed without prior notice.