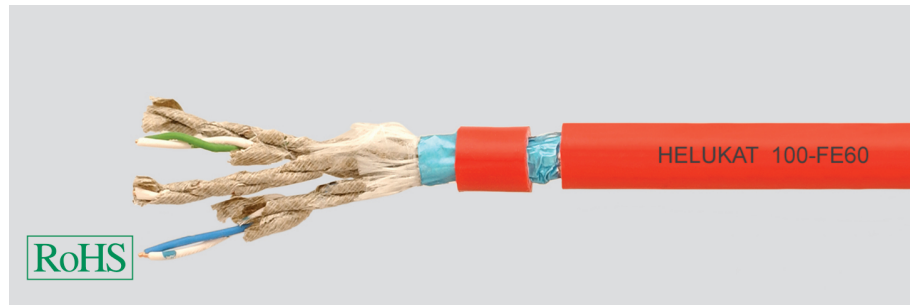


# LAN Cable

Category 5

**HELUKAT® 100**

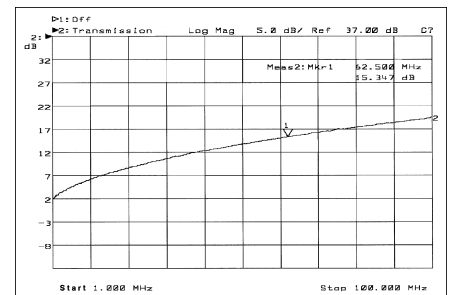
F/UTP FE60



## Cable structure

Inner conductor Ø: 0,57 mm  
Conductor material: Copper, bare  
Core insulation: PO + flame resistant tape  
Core colours: whbu/bu, whog/og, whgn/gn, whbn/bn  
Separator: -  
Screen over stranding element: PO tape  
Screen 1 over stranding: Helical glasfibre tape  
Screen 2 over stranding: Al-Foil  
Drain wire: yes  
Outer sheath material: LSZH  
Outer diameter: app. 8,3 mm  
Outer sheath colour: Red

## F/UTP 4x2xAWG 23/1 FR-0H



## Electrical data

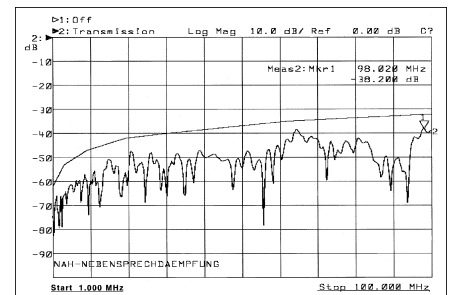
Characteristic impedance: 100 Ohm  $\pm$  15 Ohm at 1 to 100 MHz  
Loop resistance: 188 Ohm/km max.  
Mutual capacitance: 65 nF/km nom.  
Rel. propagation velocity: 67 %

## Typical values

Frequency (MHz)	10	16	62,5	100
Attenuation (dB/100m)	5,9	7,9	16,3	21,1
Next (db)	58,0	51,0	41,0	38,0
ACR (db)	52,1	43,1	24,7	16,9

## Technical data

Weight: app. 75 kg/km  
bending radius, repeated: 130 mm  
Operating temperature range min.: -20°C  
Operating temperature range max.: +70°C  
Caloric load, approx. value: 0,72 MJ/m  
Copper weight: 24,00 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 60332-3, Smoke density acc. to IEC 61034, Halogen-free acc. to 60754-2, Corrosiveness acc. to EN50267-2-3

## Application

HELUKAT® 100-FE60 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 Fast Ethernet, Ethernet, ATM155, FDDI, token ring 4/16 Mbit/s, or ISDN absolutely trouble-free. Likewise, the thermal characteristics are perfectly suited to realize an isolation integrity according EN50200-FE60 due to their optimized construction.

## Part no.

**804045**, F/UTP 4x2xAWG23/1 FRNC

Dimensions and specifications may be changed without prior notice.