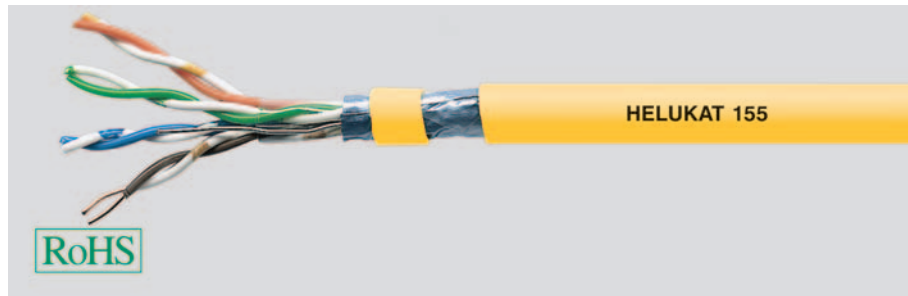
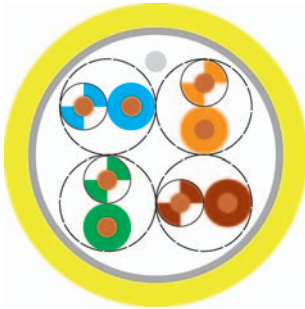


# LAN Cable

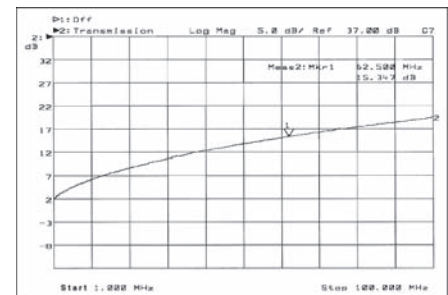
**Category 5e****HELUKAT® 155**  
F/UTP

## Cable structure

Inner conductor Ø: 0,51 mm  
 Conductor material: Copper, bare  
 Core insulation: PE  
 Core colours: whbu/bu, whog/og, whgn/gn, whbn/bn  
 Shielding 1: Polyester foil over stranded bundle  
 Screen over stranding element: -  
 Screen 1 over stranding: Polyester foil, aluminium-lined  
 Screen 2 over stranding: -  
 Drain wire: yes  
 Outer sheath material: PVC  
 Outer diameter: app. 5,9 mm  
 Outer sheath colour: Yellow similar to RAL 1021

## F/UTP 4x2xAWG 24/1 PVC

0,51 mm  
 Copper, bare  
 PE  
 whbu/bu, whog/og, whgn/gn, whbn/bn  
 Polyester foil over stranded bundle  
 -  
 Polyester foil, aluminium-lined  
 -  
 yes  
 PVC  
 app. 5,9 mm  
 Yellow similar to RAL 1021



## Electrical data

Characteristic impedance: 100 Ohm ± 15 ohm at 1 to 100 MHz  
 100 Ohm ± 20 ohm at 101 to 155 MHz  
 Loop resistance: 170 Ohm/km max.  
 Mutual capacitance: 50 nF/km nom.  
 Rel. propagation velocity: 69 %

## Typical values

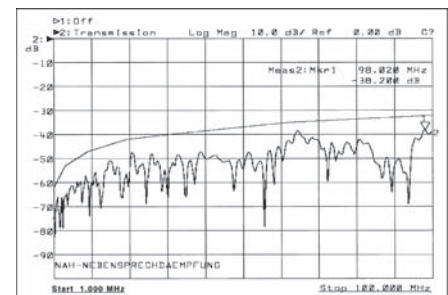
Frequency (MHz)	10	16	62,5	100	155
Attenuation (dB/100m)	5,9	7,6	15,7	20,3	22,0
Next (db)	59,0	53,0	44,0	40,0	40,0
ACR (db)	53,1	45,4	28,3	19,7	18,0

## Technical data

Weight: app. 40 kg/km  
 bending radius, repeated: 48 mm  
 Operating temperature range min.: -20°C  
 Operating temperature range max.: +60°C  
 Caloric load, approx. value: 0,40 MJ/m  
 Copper weight: 18,00 kg/km

## Norms

Acc. to ISO/IEC 11801, Acc. to EN 50173, Acc. to EIA/TIA 568-A, Category 5e



## Application

HELUKAT®155 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 mechanical characteristics are perfectly suited for the application in tight cable channels and platforms due to their optimized construction.

## Part no.

**80043**, F/UTP 4x2xAWG24/1 PVC (FTP)

Dimensions and specifications may be changed without prior notice.