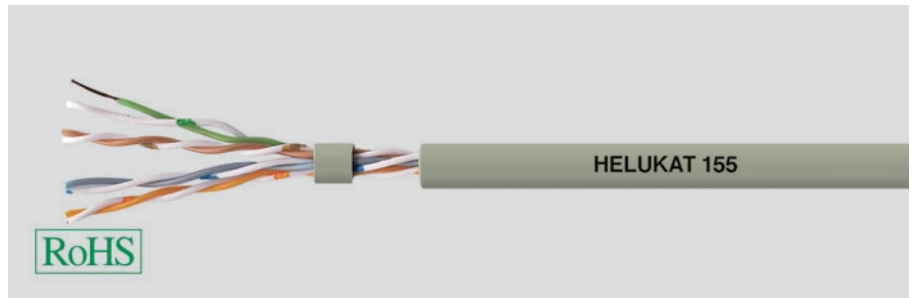
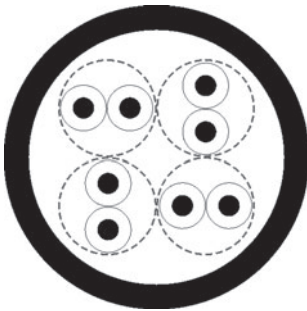


# LAN Cable

Category 5e

**HELUKAT® 155**

UTP



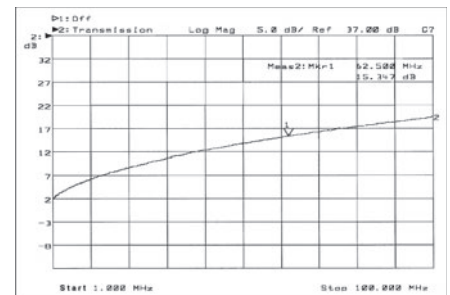
## Cable structure

Inner conductor diameter: 0,51 mm  
 Conductor material: Copper, bare  
 Core insulation: PE  
 Core colours: whbu/bu, whog/og, whgn/gn, whbn/bn  
 Shielding 1: -  
 Screen over stranding element: -  
 Screen 1 over stranding: -  
 Screen 2 over stranding: -  
 Outer sheath material: PVC  
 Outer diameter: approx. 4,9 mm  
 Outer sheath colour: Grey

## UTP 4x2xAWG 24/1 PVC

## Electrical data

Characteristic impedance: 100 Ohm ± 15 ohm at 1 to 100 MHz  
 Loop resistance: 190 Ohm/km max.  
 Mutual capacitance: 50 nF/km nom.  
 Rel. propagation velocity: 66 %

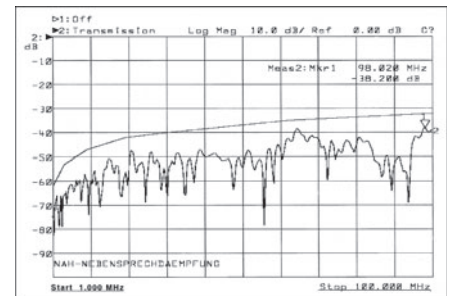


## Typical values

Frequency (MHz)	10	16	62,5	100	155
Attenuation (dB/100m)	6,3	8,0	16,5	21,3	26,8
Next (db)	50,3	47,3	38,4	35,3	33,0
ACR (db)	44,0	39,3	21,9	14,0	6,2

## Technical data

Weight: approx. 26 kg/km  
 Min. bending radius for laying: 40 mm  
 Operating temperature range min.: -20°C  
 Operating temperature range max.: +60°C  
 Caloric load, approx. value: 0,40 MJ/m  
 Copper weight: 17,00 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.

**80053**, UTP 4x2xAWG24/1 PVC (U/UTP)

Dimensions and specifications may be changed without prior notice.

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