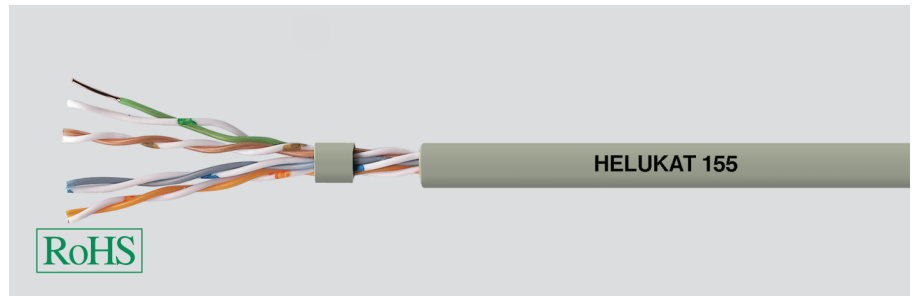
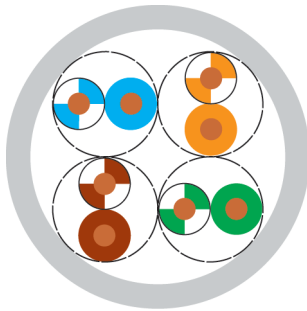


LAN Cable

Category 5e

HELUKAT® 155
U/UTP



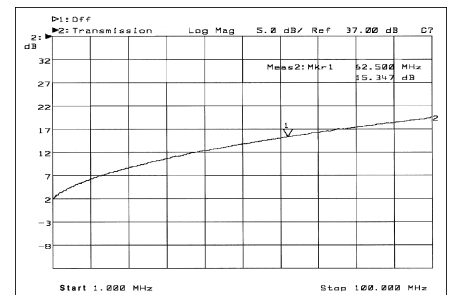
Cable structure

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

U/UTP 4x2xAWG 24/1 PVC

Electrical data

Characteristic impedance: 100 Ohm ± 15 Ohm at 1 to 100 MHz
100 Ohm ± 20 Ohm at 101 to 155 MHz
Loop resistance: 190 Ohm/km max.
Mutual capacitance: 50 nF/km nom.
Rel. propagation velocity: 66 %



Typical values

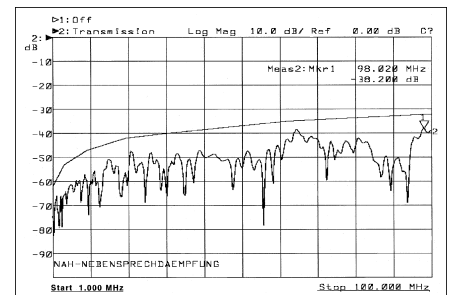
Frequency (MHz)	10	16	62,5	100	155
Attenuation (dB/100m)	6,3	8,0	16,5	21,3	26,8
Next (db)	50,3	47,3	38,4	35,3	33,0
ACR (db)	44,0	39,3	21,9	14,0	6,2

Technical data

Weight: app. 26 kg/km
bending radius, repeated: 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, U/UTP 4x2xAWG24/1 PVC (UTP)

Dimensions and specifications may be changed without prior notice.