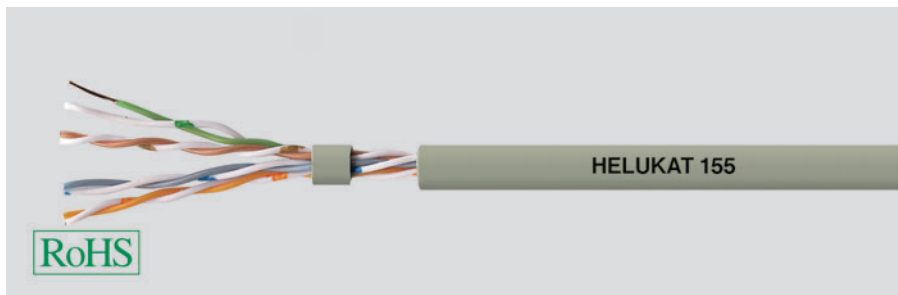
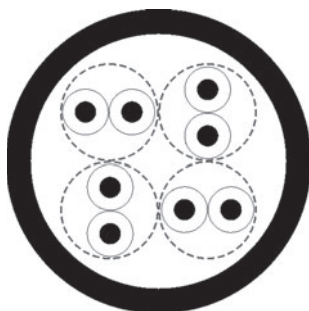


LAN Cable

Category 5e

HELUKAT® 155

UTP



Cable structure

Inner conductor diameter:

Conductor material:

Core insulation:

Core colours:

Shielding 1:

Screen over stranding element:

Screen 1 over stranding:

Screen 2 over stranding:

Outer sheath material:

Outer diameter:

Outer sheath colour:

UTP 4x2xAWG 24/1 PVC

0,51 mm

Copper, bare

PE

whbu/bu, whog/og, whgn/gn, whbn/bn

-

-

-

PVC

approx. 4,9 mm

Grey

Electrical data

Characteristic impedance:

100 Ohm ± 15 ohm at 1 to 100 MHz

Loop resistance:

190 Ohm/km max.

Mutual capacitance:

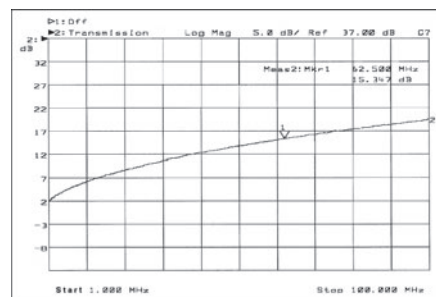
50 nF/km nom.

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:

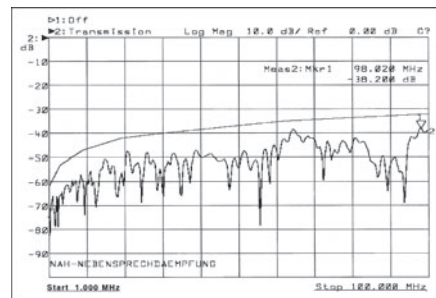
0,40 MJ/m

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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