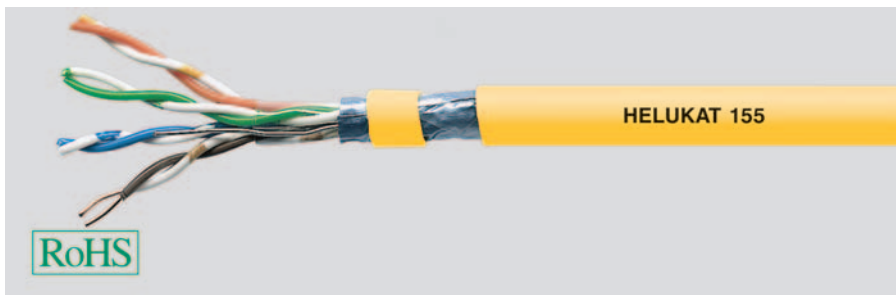


LAN Cable

Category 5e

HELUKAT® 155
F/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:

Drain wire:

Outer sheath material:

Outer diameter:

Outer sheath colour:

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

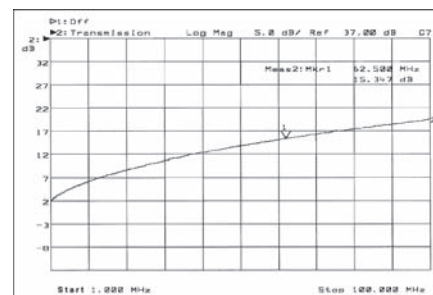
-

yes

PVC

approx. 5,9 mm

Yellow similar to RAL 1021



Electrical data

Characteristic impedance:

100 Ohm \pm 15 ohm at 1 to 100 MHz

100 Ohm \pm 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:

approx. 40 kg/km

bending radius, repeated:

48 mm

Operating temperature range min.:

-20°C

Operating temperature range max.:

+60°C

Caloric load, approx. value:

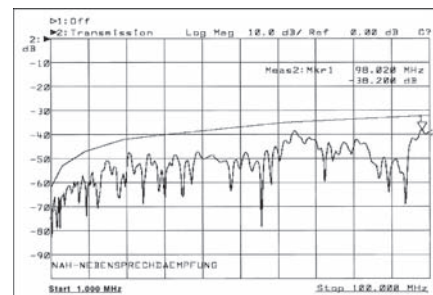
0,40 MJ/m

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.