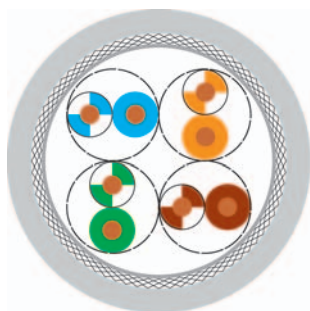


LAN-Cable

Category 5e

HELUKAT® 200
SF/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:

SF/UTP 4x2xAWG 24/1 PVC or FRNC

0,51 mm

Copper, bare

Foam-skin-PE

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

Polyester foil over stranded bundle

-

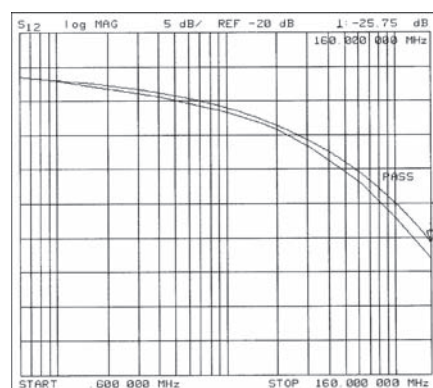
Polyester foil, aluminium-lined

Cu braid

PVC / FRNC

approx. 6,0 mm / approx. 6,0 mm

Grey similar to RAL 7035



Electrical data

Characteristic impedance:

100 Ohm \pm 15 ohm at 1 to 100 MHz

100 Ohm \pm 20 ohm at 101 to 200 MHz

Loop resistance:

185 Ohm/km max.

Mutual capacitance:

48 nF/km nom.

Rel. propagation velocity:

74 %

Typical values

Frequency (MHz)	10	16	62,5	100	200
Attenuation (dB/100m)	5,6	7,2	14,4	18,2	25,9
Next (db)	62,0	59,0	50,0	46,0	40,0
ACR (db)	56,4	51,8	35,6	27,8	14,6

Technical data

Weight:

approx. 50 kg/km

bending radius, repeated:

52 mm

Operating temperature range min.:

-20°C

Operating temperature range max.:

+60°C

Caloric load, approx. value:

0,60 MJ/m / 0,48 MJ/m

Copper weight:

28,00 kg/km

Norms

81610:

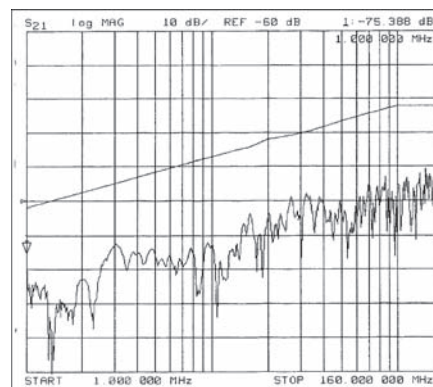
Acc. to ISO/IEC 11801, Acc. to EN 50173, Acc. to EIA/TIA 568-A, Category 5e

81609:

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

acc. to IEC 60332-3, Smoke density acc. to IEC 61034, Halogen-free acc. to 60754-2,

Corrosiveness acc. to EN50267-2-3



Application

HELUKAT®200 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 Gigabit Ethernet, 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.

81610, SF/UTP 4x2xAWG 24/1 PVC (S-FTP)

81609, SF/UTP 4x2xAWG 24/1 FRNC (S-FTP)

Dimensions and specifications may be changed without prior notice.