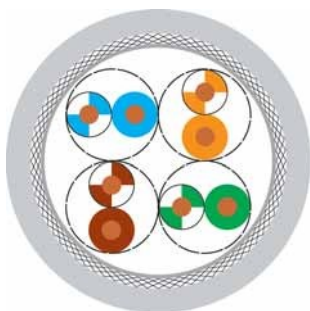


LAN Cable

Category 5e

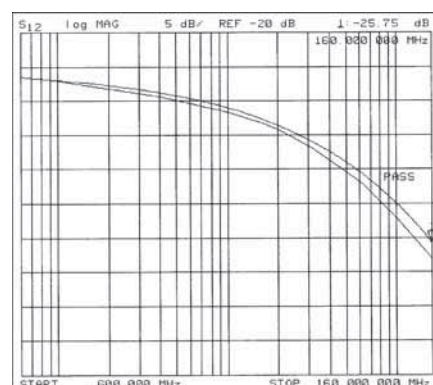
HELUKAT® 200 
CC-Link IE  SF/UTP



Cable structure

Inner conductor Ø: 0,51 mm
Conductor material: Copper, bare
Core insulation: Foam-skin-PE
Core colours: whbu/bu, whog/og, whgn/gn, whbn/bn
Separator: -
Screen over stranding element: -
Screen 1 over stranding: Al-Foil
Screen 2 over stranding: Cu braid
Outer sheath material: PVC / FRNC
Outer diameter: app. 6,0 mm / app. 6,0 mm
Outer sheath colour: Grey similar to RAL 7035

SF/UTP 4x2xAWG 24/1 PVC/ FRNC



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: app. 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.

