

## **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 Ø

Outer sheath colour:

## S-FTP 4x2xAWG 24/1 PVC or FRNC

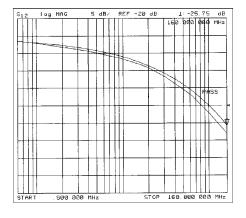
0,51 mm Copper, bare Foam-skin-PE

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

100 0hm ± 15 ohm at 1 to 100 MHz 185 0hm/km max. 48,0 nF/km nom. 74 %



### Electrical data

Characteristic impedance: Loop resistance: Mutual capacitance: Rel. propagation velocity:

## **Typical values**

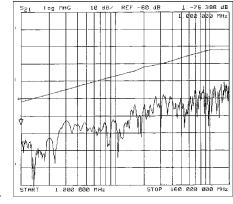
Frequency	(MHz)	10	16	62,5	100	200
Attenuation	(dB/100m)	5,6	7,2	14,4	18,2	25,9
Next	(db)	62,0	59,0	50,0	46,0	40,0
ACR	(db)	56,4	51,8	35,6	27,8	14,6

### **Technical data**

Weight: 50,0 kg/km
Min. bending radius for laying: 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.** S-FTP 4x2xAWG 24/1 PVC

81609, S-FTP 4x2xAWG 24/1 FRNC

Dimensions and specifications may be changed without prior notice.





