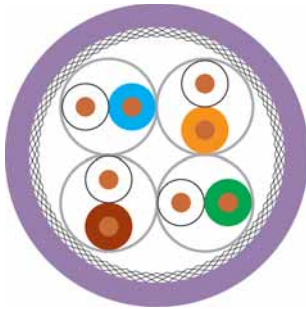


# LAN Cable

Category 7e



## Cable structure

Inner conductor Ø:  
 Conductor material:  
 Core insulation:  
 Core colours:  
 Separator:  
 Screen over stranding element:  
 Screen 1 over stranding:  
 Screen 2 over stranding:  
 Outer sheath material:  
 Outer diameter:  
 Outer sheath colour:

## S/FTP 4x2xAWG 23/1 FRNC

0,57 mm  
 Copper, bare  
 Foam-skin-PE  
 wh/bu, wh/og, wh/gn, wh/bn  
 -  
 Al-Foil  
 Cu braid  
 -  
 FRNC  
 app. 7,5 mm  
 Blue Lilac similar to RAL 4005

## Electrical data

Characteristic impedance:

100 Ohm ± 15 Ohm at 1 to 100 MHz  
 100 Ohm ± 20 Ohm at 101 to 1000 MHz

Loop resistance:

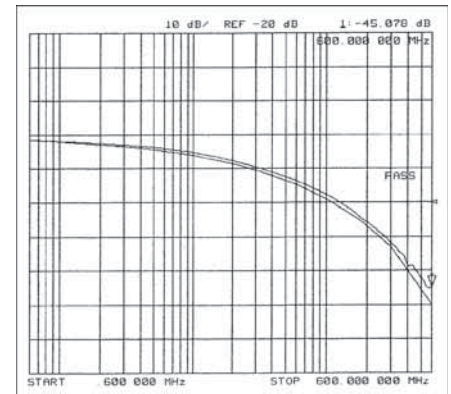
169 Ohm/km max.

Mutual capacitance:

43 nF/km nom.

Rel. propagation velocity:

79 %

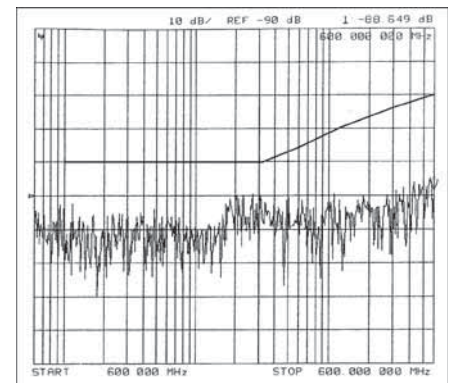


## Typical values

Frequency (MHz)	10	16	62,5	100	200	300	600	900	1000
Attenuation (dB/100m)	5,6	7,1	13,9	17,5	25,2	32,1	44,9	55,0	58,0
Next (db)	100,0	100,0	96,0	94,0	88,0	84,0	73,0	71,0	69,0
ACR (db)	94,4	92,9	82,1	76,5	62,8	51,9	28,1	16,0	9,0

## Technical data

Weight: app. 60 kg/km  
 bending radius, repeated: 60 mm  
 Operating temperature range min.: -20°C  
 Operating temperature range max.: +60°C  
 Caloric load, approx. value: 0,60 MJ/m  
 Copper weight: 28,00 kg/km



## Norms

Acc. to ISO/IEC 11801, Acc. to EN 50173, Acc. to EIA/TIA 568-A, Category 7e, 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®600 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.

**80810**, S/FTP 4x2xAWG 23/1 FRNC (S-STP)

Dimensions and specifications may be changed without prior notice.