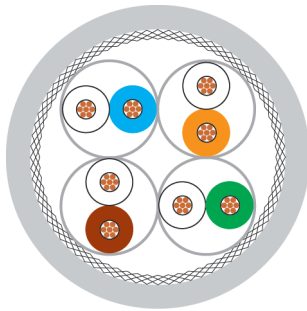


# LAN Cable

Category 7

**HELUKAT® 600**

S/FTP flex



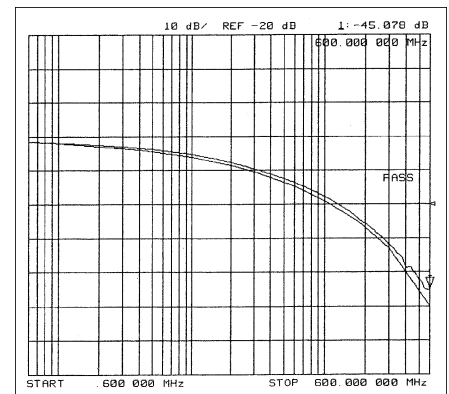
## Cable structure

Inner conductor Ø: 0,48 mm  
 Conductor material: Copper, bare  
 Core insulation: Foam-skin-PE  
 Core colours: wh/bu, wh/og, wh/gn, wh/bn  
 Separator: -  
 Screen over stranding element: Al-Foil  
 Screen 1 over stranding: Cu braid  
 Screen 2 over stranding: -  
 Outer sheath material: FRNC  
 Outer diameter: app. 5,9 mm  
 Outer sheath colour: Grey similar to RAL 7035

## S/FTP 4x2xAWG 26/7 FRNC

## Electrical data

Characteristic impedance: 100 Ohm ± 15 Ohm at 1 to 100 MHz  
 100 Ohm ± 20 Ohm at 101 to 600 MHz  
 Loop resistance: 290 Ohm/km max.  
 Mutual capacitance: 45 nF/km nom.  
 Rel. propagation velocity: 77 %



## Typical values

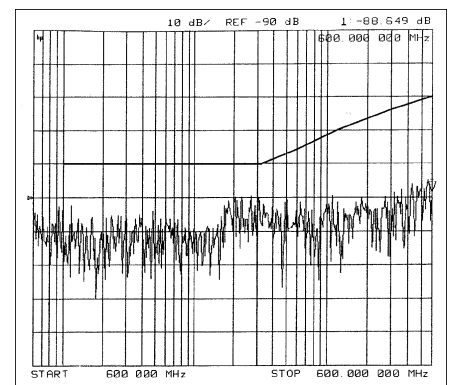
Frequency (MHz)	10	16	62,5	100	200	300	600
Attenuation (dB/10m)	0,8	1,0	2,0	2,6	4,0	4,9	6,3
Next (db)	96,0	96,0	95,0	94,0	88,0	86,0	80,0
ACR (db)	95,2	95,0	93,0	91,4	84,0	81,1	73,7

## Technical data

Weight: app. 42 kg/km  
 bending radius, repeated: 55 mm  
 Operating temperature range min.: -20°C  
 Operating temperature range max.: +60°C  
 Caloric load, approx. value: 0,47 MJ/m  
 Copper weight: 22,00 kg/km

## Norms

Acc. to ISO/IEC 11801, Acc. to EN 50173, Acc. to EIA/TIA 568-A, Category 7, Flame-retardant acc. to IEC 60332-1-2, 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 level of a network as patch cables and connection cables. 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. With its optimized construction, the HELUKAT®600 series can be manufactured quickly and easily with all common RJ45 plugs.

## Part no.

**80294**, S/FTP 4x2xAWG 26/7 FRNC (S-STP)

Dimensions and specifications may be changed without prior notice.