

## 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-STP 4x2xAWG 26/7 FRNC

0,48 mm  
Copper, bare  
Foam-skin-PE  
whbu/bu, whog/og, whgn/gn, whbn/bn  
-  
Polyester foil, aluminium-lined  
Cu braid  
-  
FRNC  
approx. 5,9 mm  
Grey similar to RAL 7035

## Electrical data

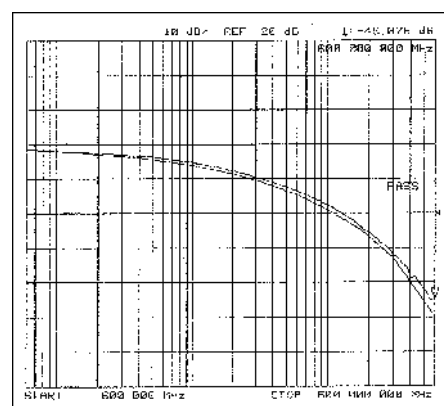
Characteristic impedance:

100 Ohm  $\pm$  15 ohm at 1 to 100 MHz  
100 Ohm  $\pm$  20 ohm at 101 to 600 MHz  
264 Ohm/km max.  
45,0 nF/km nom.  
77 %

Loop resistance:

Mutual capacitance:

Rel. propagation velocity:



## 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: 42,0 kg/km  
Min. bending radius for laying: 55 mm  
Operating temperature range min.: -20°C  
Operating temperature range max.: +60°C  
Caloric load, approx. value: 0,47 MJ/m  
Copper value: 22,0 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, 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-STP 4x2xAWG 26/7 FRNC

