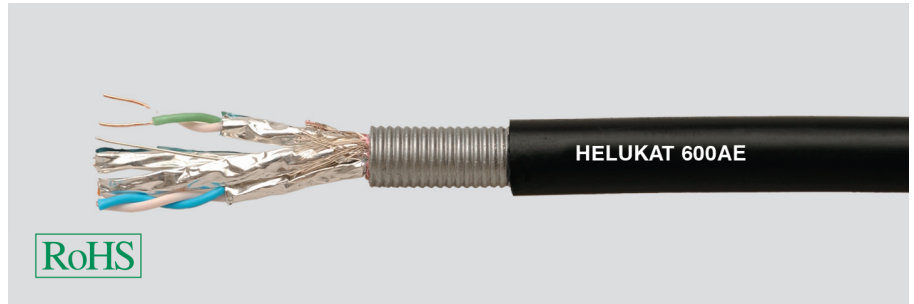
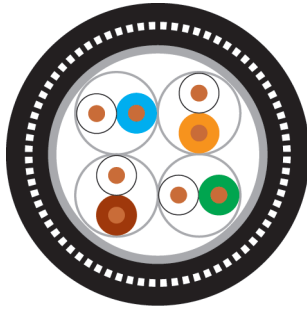


# LAN Cable direct Burial / armoured

Category 7e

**HELUKAT® 600AE**  
S/FTP FRNC/PE



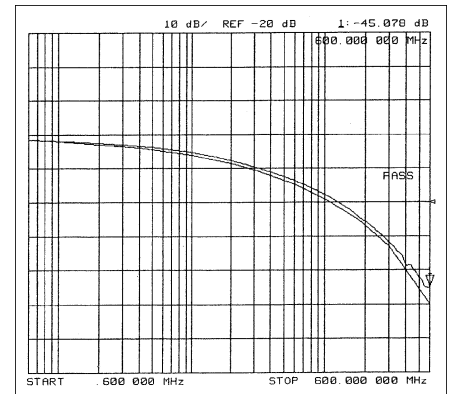
## Cable structure

Inner conductor Ø:	0,58 mm
Conductor material:	Copper, bare
Core insulation:	Foam-skin-PE
Core colours:	wh/bu, wh/og, wh/gn, wh/bn
Separator:	-
Inner sheath material:	FRNC
Screen over stranding element:	Al-Foil
Screen 1 over stranding:	Cu braid
Screen 2 over stranding:	-
:	Steel shaft
Outer sheath material:	PE
Outer diameter:	app. 12,2 mm
Outer sheath colour:	Black

## S/FTP 4x2xAWG 23/1 FRNC/PE

## Electrical data

Characteristic impedance:	100 Ohm ± 15 Ohm at 1 to 100 MHz 100 Ohm ± 20 Ohm at 101 to 1000 MHz
Loop resistance:	150 Ohm/km max.
Mutual capacitance:	43 nF/km nom.
Rel. propagation velocity:	79 %



## Typical values

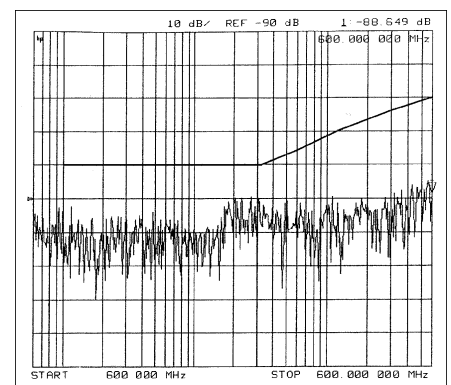
Frequency (MHz)	10	16	62,5	100	200	300	600	900	1000
Attenuation (dB/100m)	5,6	7,1	13,9	17,5	25,2	32,1	44,9	55,0	58,0
Next (db)	100,0	100,0	96,0	94,0	88,0	84,0	73,0	71,0	69,0
ACR (db)	94,4	92,9	82,1	76,5	62,8	51,9	28,1	16,0	9,0

## Technical data

Weight:	app. 155 kg/km
bending radius, repeated:	330 mm
Operating temperature range min.:	-45°C
Operating temperature range max.:	+70°C
Caloric load, approx. value:	2,30 MJ/m
Copper weight:	32,00 kg/km

## Norms

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



## Application

HELUKAT® 600AE 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. The series of HELUKAT® 600AE with a FRNC/PE double jacket and the rodent protection is constructed especially for outdoor and direct burial applications.

## Part no.

**802168**, S/FTP 4x2xAWG 23/1 FRNC/PE (S-STP)

Dimensions and specifications may be changed without prior notice.