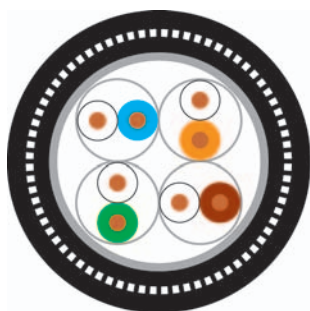


LAN Cable direct burial / armoured

Category 7e

HELUKAT® 600AE

S/FTP FRNC/PE



Cable structure

Inner conductor diameter:
Conductor material:
Core insulation:
Core colours:
Shielding 1:
Inner sheath material:
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/PE

0,58 mm
Copper, bare
Foam-skin-PE
wh/bu, wh/og, wh/gn, wh/bn
-
FRNC
Polyester foil, aluminium-lined
Cu braid
-
Steel shaft
PE
approx. 12,2 mm
Black

Electrical data

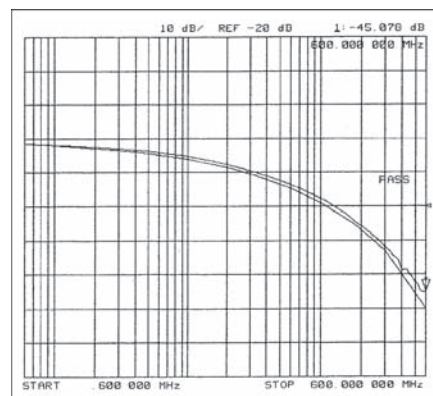
Characteristic impedance:

100 Ohm \pm 15 ohm at 1 to 100 MHz
100 Ohm \pm 20 ohm at 101 to 1000 MHz
150 Ohm/km max.
43 nF/km nom.
79 %

Loop resistance:

Mutual capacitance:

Rel. propagation velocity:



Typical values

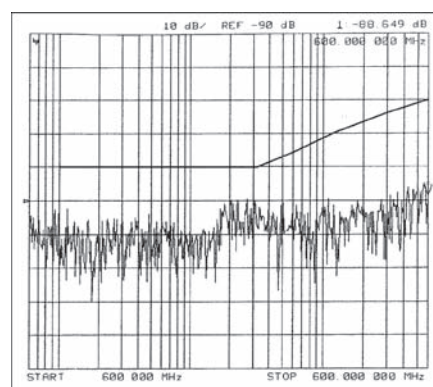
Frequency (MHz)	10	16	62,5	100	200	300	600	900	1000
Attenuation (dB/100m)	5,6	7,1	13,9	17,5	25,2	32,1	44,9	55,0	58,0
Next (db)	100,0	100,0	96,0	94,0	88,0	84,0	73,0	71,0	69,0
ACR (db)	94,4	92,9	82,1	76,5	62,8	51,9	28,1	16,0	9,0

Technical data

Weight: approx. 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® 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. 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.