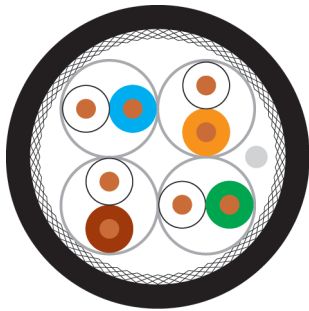


LAN Cable direct Burial

Category 7e

HELUKAT® 600E
S/FTP PVC



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 direct burial

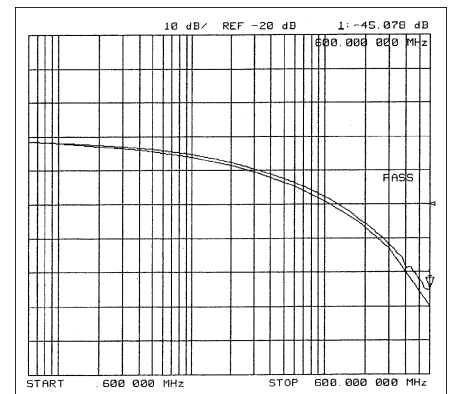
0,58 mm
Copper, bare
Foam-skin-PE
wh/bu, wh/og, wh/gn, wh/bn
-
Al-Foil
Cu braid
-
PVC
app. 9,8 mm
Black

Electrical data

Characteristic impedance:

Loop resistance:
Mutual capacitance:
Rel. propagation velocity:

100 Ohm \pm 15 Ohm at 1 to 100 MHz
100 Ohm \pm 20 Ohm at 101 to 1000 MHz
150 Ohm/km max.
42 nF/km nom.
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

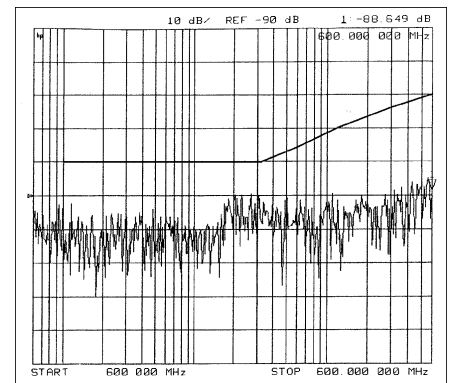
Technical data

Weight:
bending radius, repeated:
Operating temperature range min.:
Operating temperature range max.:
Caloric load, approx. value:
Copper weight:

app. 102 kg/km
100 mm
-45°C
+65°C
1,40 MJ/m
32,00 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 60332-1-2, Smoke density acc. to IEC 61034



Application

HELUKAT® 600E 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® 600E with a cold resistant PVC jacket is constructed especially for outdoor applications like laying at house walls or direct burial.

Part no.

802167, S/FTP 4x2xAWG23/1 PVC (S-STP)

Dimensions and specifications may be changed without prior notice.