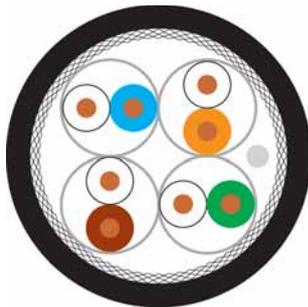


LAN Cable direct Burial

Category 7e

HELUKAT® 600E

S/FTP PVC



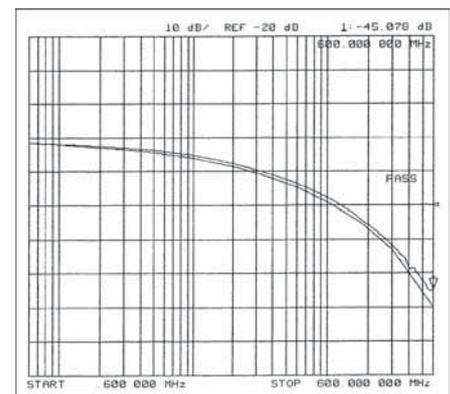
Cable structure

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: -
 Screen over stranding element: Al-Foil
 Screen 1 over stranding: Cu braid
 Screen 2 over stranding: -
 Outer sheath material: PVC
 Outer diameter: app. 9,8 mm
 Outer sheath colour: Black

S/FTP 4x2xAWG 23/1 direct burial

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: 42 nF/km nom.
 Rel. propagation velocity: 79 %



Typical values

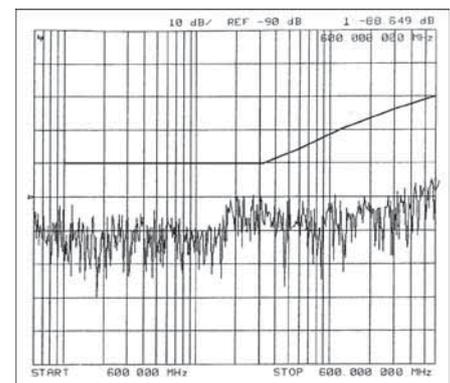
Frequency (MHz)	10	16	62,5	100	200	300	600	900	1000
Attenuation (dB/100m)	5,6	7,1	13,9	17,5	25,2	32,1	44,9	55,0	58,0
Next (db)	100,0	100,0	96,0	94,0	88,0	84,0	73,0	71,0	69,0
ACR (db)	94,4	92,9	82,1	76,5	62,8	51,9	28,1	16,0	9,0

Technical data

Weight: app. 102 kg/km
 bending radius, repeated: 100 mm
 Operating temperature range min.: -45°C
 Operating temperature range max.: +65°C
 Caloric load, approx. value: 1,40 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, 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.