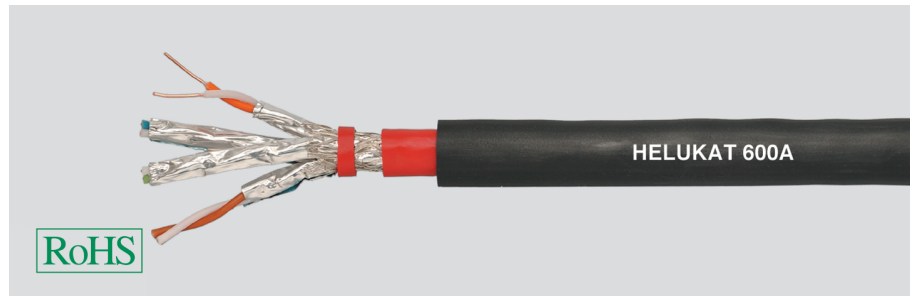
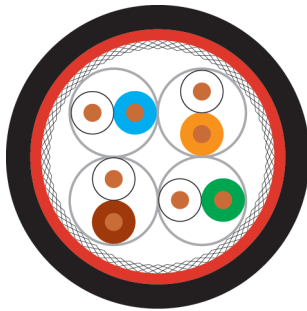


LAN Cable Outdoor

Category 7e

HELUKAT® 600A

S/FTP PVC/PVC



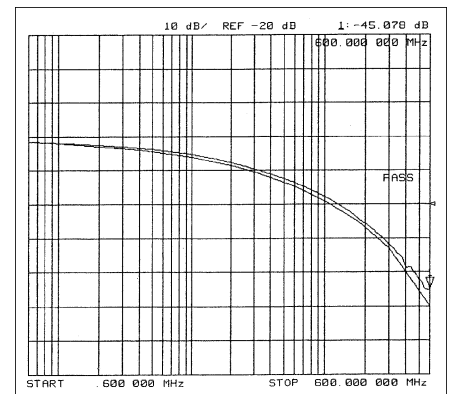
Cable structure

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: -
Inner sheath material: PVC
Screen over stranding element: Al-Foil
Screen 1 over stranding: Cu braid
Screen 2 over stranding: -
Outer sheath material: PVC
Outer diameter: app. 11,6 mm
Outer sheath colour: Black similar to RAL 9005

S/FTP 4x2xAWG 23/1 PVC/PVC

Electrical data

Characteristic impedance: 100 Ohm ± 15 Ohm at 1 to 100 MHz
100 Ohm ± 20 Ohm at 101 to 1000 MHz
Loop resistance: 160 Ohm/km max.
Mutual capacitance: 43 nF/km nom.
Rel. propagation velocity: 79 %



Typical values

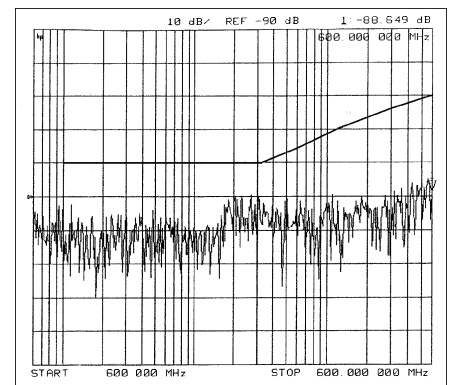
Frequency (MHz)	10	16	62,5	100	200	300	600	900	1000
Attenuation (dB/100m)	5,6	7,1	13,9	17,5	25,2	32,1	44,9	55,0	58,0
Next (db)	100,0	100,0	96,0	94,0	88,0	84,0	73,0	71,0	69,0
ACR (db)	94,4	92,9	82,1	76,5	62,8	51,9	28,1	16,0	9,0

Technical data

Weight: app. 153 kg/km
bending radius, repeated: 95 mm
Operating temperature range min.: -30°C
Operating temperature range max.: +70°C
Caloric load, approx. value: 2,62 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



Application

HELUKAT® 600A 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® 600A with a double PVC jacket is constructed especially for outdoor applications like laying at house walls or in cable lines.

Part no.

801147, S/FTP 4x2xAWG 23/1 PVC/PVC (S-STP)

Dimensions and specifications may be changed without prior notice.