

Cable structure

Inner conductor diameter:
Conductor material:
Core insulation:
Core colours:
Shielding 1
Screen over stranding element:
Screen 1 over stranding:
Screen 2 over stranding:
Inner sheath material:
Outer sheath material:
Outer Ø:
Outer sheath colour:

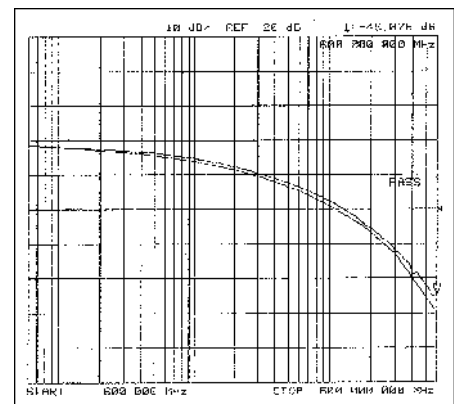
S-STP 4x2xAWG 23/1 PVC/PVC

0,58 mm
Copper, bare
PO
wh/bu, wh/og, wh/gn, wh/bn
-
Polyester foil, aluminium-lined
Cu braid
-
PVC
PVC
approx. 11,8 mm
Black similar to RAL 9005

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 600 MHz
160 Ohm/km max.
43,0 nF/km nom.
79 %



Typical values

Frequency (MHz)	10	16	62,5	100	200	300	600
Attenuation (dB/100m)	5,8	7,4	14,6	18,4	26,2	32,1	49,0
Next (db)	85,0	85,0	85,0	85,0	83,0	80,0	80,0
ACR (db)	79,2	77,6	70,4	66,6	56,8	47,9	31,0

Technical data

Weight:
Min. bending radius for laying:
Operating temperature range min.:
Operating temperature range max.:
Caloric load, approx. value:
Copper value:

153,0 kg/km
95 mm
-30°C
+70°C
2,62 MJ/m
34,0 kg/km

Norms

Acc. to ISO/IEC 11801, Acc. to EN 50173, Acc. to EIA/TIA 568-A, Category 7,
Flame-retardant acc. to IEC 60332-1, Smoke density acc. to IEC 61034

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, ATM155, FDDI, token ring 4/16 Mbit/s or ISDN absolutely trouble-free. The serie 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-STP 4x2xAWG 23/1 PVC/PVC