

new

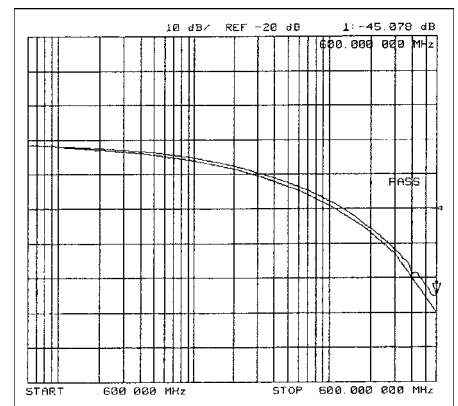
Cable structure

Inner conductor diameter: 0,58 mm
 Conductor material: Copper, bare
 Core insulation: PO
 Core colours: wh/bu, wh/og, wh/gn, wh/bn
 Shielding 1: -
 Screen over stranding element: Polyester foil, aluminium-lined
 Screen 1 over stranding: Cu braid
 Screen 2 over stranding: -
 Outer sheath material: PVC
 Outer Ø: approx. 9,8 mm
 Outer sheath colour: Black

S-STP 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 600 MHz
 Loop resistance: 150 Ohm/km max.
 Mutual capacitance: 42,00 nF/km nom.
 Rel. propagation velocity: 79 %



Typical values

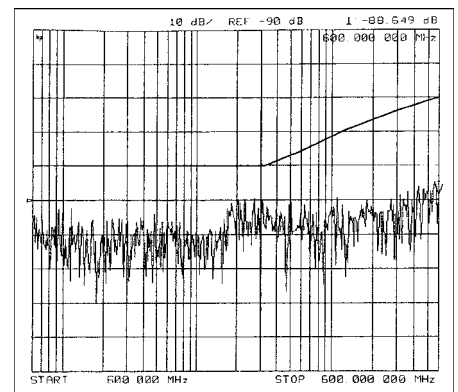
Frequency (MHz)	10	16	62,5	100	200	300	600
Attenuation (dB/100m)	5,8	7,4	14,6	18,4	26,2	32,1	49,0
Next (db)	85,0	85,0	85,0	85,0	83,0	80,0	80,0
ACR (db)	79,2	77,6	70,4	66,6	56,8	47,9	31,0

Technical data

Weight: 102,00 kg/km
 Min. bending radius for laying: 100 mm
 Operating temperature range min.: -45°C
 Operating temperature range max.: +65°C
 Caloric load, approx. value: 1,40 MJ/m
 Copper weight: 34,00 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, UL 1581 VW-1



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 serie 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-STP 4x2xAWG23/1 PVC

Dimensions and specifications may be changed without prior notice.