

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:
Outer sheath material:
Outer Ø:
Outer sheath colour:

S-STP 4x2xAWG 23/1 FRNC

0,58 mm
Copper, bare
Foam-skin-PE
wh/bu, wh/og, wh/gn, wh/bn
-
Polyester foil, aluminium-lined
Cu braid
-
FRNC
approx. 7,8 mm
Blue Lilac similar to RAL 4005

Electrical data

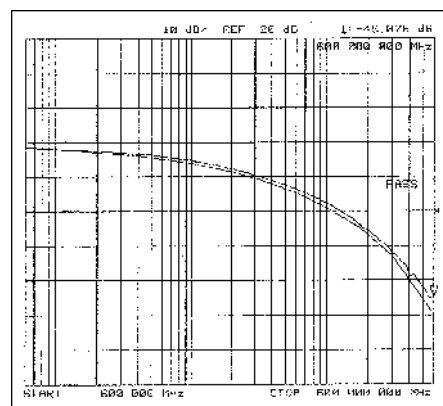
Characteristic impedance:

100 Ohm \pm 15 ohm at 1 to 100 MHz
100 Ohm \pm 20 ohm at 101 to 900 MHz
146 Ohm/km max.
43,0 nF/km nom.
79 %

Loop resistance:

Mutual capacitance:

Rel. propagation velocity:



Typical values

Frequency (MHz)	10	16	62,5	100	200	600	900
Attenuation (dB/100m)	5,0	6,5	13,2	16,8	25,0	42,5	55,0
Next (db)	100,0	100,0	100,0	99,0	96,0	91,0	86,0
ACR (db)	95,0	93,5	86,8	82,2	71,0	48,5	31,0

Technical data

Weight: 64,0 kg/km
Min. bending radius for laying: 63 mm
Operating temperature range min.: -20°C
Operating temperature range max.: +60°C
Caloric load, approx. value: 0,6 MJ/m
Copper value: 36,0 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 60332-3, Smoke density acc. to IEC 61034,
Halogen-free acc. to 60754-2, Corrosiveness acc. to EN50267-2-3

Application

HELUKAT®900 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. Likewise, the mechanical characteristics are perfectly suited for the application in tight cable channels and platforms due to their optimized construction.

Part no.

800086, S-STP 4x2xAWG 23/1 FRNC

