

Cable structure

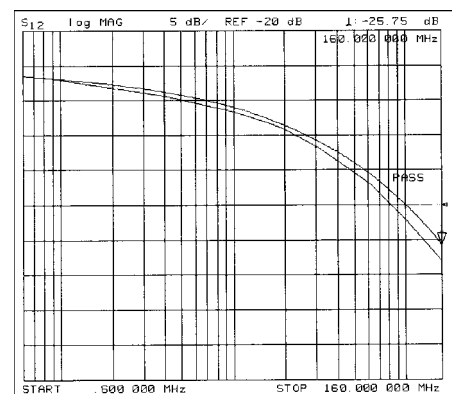
Inner conductor diameter:
Conductor material:
Core insulation:
Core colours:
Shielding 1
Screen over stranding element:
Screen 1 over stranding:
Screen 2 over stranding:
Outer sheath material:
Cable dimensions:
Outer sheath colour:

S-FTP 2x(4x2xAWG 24/1) FRNC

0,51 mm
Copper, bare
Foam-skin-PE
whbu/bu, whog/og, whgn/gn, whbn/bn
Polyester foil over stranded bundle
-
Polyester foil, aluminium-lined
Cu braid
FRNC
approx. 6,0 mm x 12,5 mm
Green similar to RAL 6018

Electrical data

Characteristic impedance: 100 Ohm ± 15 ohm at 1 to 100 MHz
Loop resistance: 185 Ohm/km max.
Mutual capacitance: 48,0 nF/km nom.
Rel. propagation velocity: 74 %



Typical values

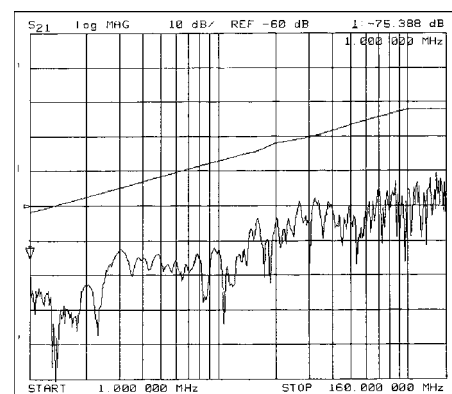
Frequency (MHz)	10	16	62,5	100	200
Attenuation (dB/100m)	5,6	7,2	14,4	18,2	25,9
Next (db)	62,0	59,0	50,0	46,0	40,0
ACR (db)	56,4	51,8	35,6	27,8	14,6

Technical data

Weight: 100,0 kg/km
Min. bending radius for laying: 52 mm
Operating temperature range min.: -20°C
Operating temperature range max.: +60°C
Caloric load, approx. value: 0,96 MJ/m
Copper weight: 56,00 kg/km

Norms

Acc. to ISO/IEC 11801, Acc. to EN 50173, Acc. to EIA/TIA 568-A, Category 5e,
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®200 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.

81123, S-FTP 2x(4x2xAWG 24/1) FRNC

Dimensions and specifications may be changed without prior notice.