LAN Cable
Category 5

HELUKAT® 100
FTP flex

RoHS

Cable structure

FTP 4x2xAWG 26/7 FRNC
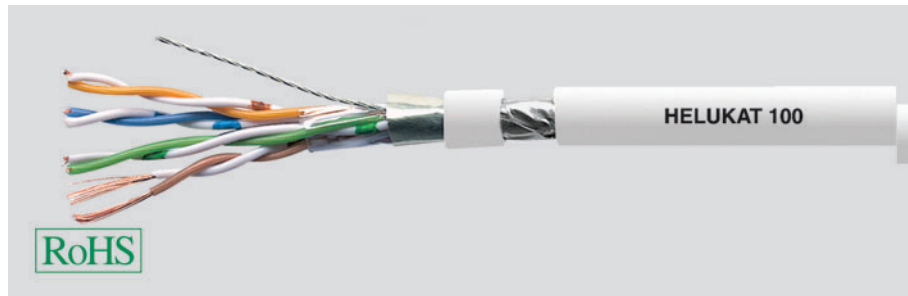
Inner conductor diameter:	0,48 mm
Conductor material:	Copper, bare
Core insulation:	PO
Core colours:	whbu/bu, whog/og, whgn/gn, whbn/bn
Shielding 1:	Polyester foil over stranded bundle
Screen over stranding element:	-
Screen 1 over stranding:	Polyester foil, aluminium-lined
Screen 2 over stranding:	-
Outer sheath material:	FRNC
Outer diameter:	approx. 5,7 mm
Outer sheath colour:	Grey similar to RAL 7035

Electrical data

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Characteristic impedance:	100 Ohm ± 15 ohm at 1 to 100 MHz
Loop resistance:	290 Ohm/km max.
Mutual capacitance:	50 nF/km nom.
Rel. propagation velocity:	74 %
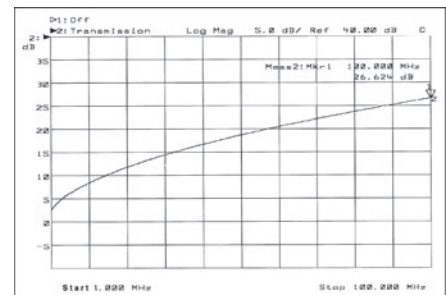
Typical values

Frequency	(MHz)	10	16	62,5	100
Attenuation	(dB/10m)	0,9	1,2	2,4	2,9
Next	(db)	58,0	56,0	45,0	43,0
ACR	(db)	57,1	54,8	42,6	40,1

Technical data

Weight:	approx. 31 kg/km
Min. bending radius for laying:	40 mm
Operating temperature range min.:	-20°C
Operating temperature range max.:	+60°C
Caloric load, approx. value:	0,527 MJ/m
Copper weight:	14,00 kg/km

Norms

Acc. to ISO/IEC 11801, Acc. to EN 50173, Acc. to EIA/TIA 568-A, Category 5, Flame-retardant acc. to IEC 60332-1, Smoke density acc. to IEC 61034, Halogen-free acc. to 60754-2, Corrosiveness acc. to EN50267-2-3
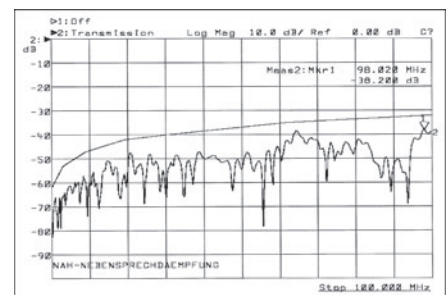
Application

HELUKAT®100 data cables are used in the tertiary level of a network as patch cables and connection cables. They are characterized by large performance reserves and outstanding performance. They can be used to implement services such as Fast Ethernet, Ethernet, ATM155, FDDI, token ring 4/16 Mbit/s, or ISDN absolutely trouble-free. With its optimized construction, the HELUKAT®100 series can be manufactured quickly and easily with all common RJ45 plugs.

Part no.

81278, FTP 4x2xAWG 26/7 FRNC (F/UTP)

Dimensions and specifications may be changed without prior notice.

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