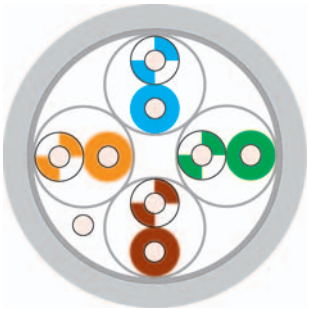
LAN Cable

Category 6

HELUKAT® 300

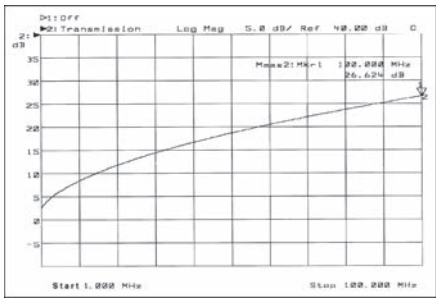
U/FTP, UL



Cable structure

U/FTP 4x2xAWG 26/7 PVC, UL

Inner conductor Ø:	0,48 mm
Conductor material:	Copper, tinned
Core insulation:	Foam-skin-PE
Core colours:	whbu/bu, whog/og, whgn/gn, whbn/bn
Shielding 1:	Polyester foil over stranded bundle
Screen over stranding element:	Polyester foil, aluminium-lined
Screen 1 over stranding:	-
Screen 2 over stranding:	-
Drain wire:	yes
Outer sheath material:	PVC
Outer diameter:	app. 5,9 mm
Outer sheath colour:	Grey similar to RAL 7035



Electrical data

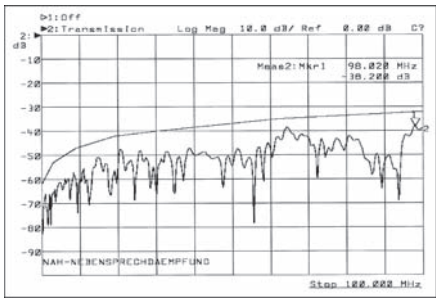
Characteristic impedance:	100 Ohm ± 15 ohm at 1 to 100 MHz 100 Ohm ± 20 Ohm at 101 to 300 MHz
Loop resistance:	290 Ohm/km max.
Mutual capacitance:	45 nF/km nom.
Rel. propagation velocity:	77 %

Typical values

Frequency	(MHz)	10	16	62,5	100	200	300
Attenuation	(db/10m)	0,9	1,1	2,2	2,7	3,9	4,7
Next	(db)	90,0	88,0	83,0	80,0	76,0	73,0
ACR	(db)	89,1	86,9	80,8	77,3	72,1	68,3

Technical data

Weight:	app. 37 kg/km
bending radius, repeated:	48 mm
Operating temperature range min.:	-20°C
Operating temperature range max.:	+60°C
Caloric load, approx. value:	0,41 MJ/m
Copper weight:	20,00 kg/km



Norms

Acc. to ISO/IEC 11801, Acc. to EN 50173, Acc. to EIA/TIA 568-A, Category 6, Flame-retardant acc. to IEC 60332-1, Smoke density acc. to IEC 61034, CMX 444

Application

HELUKAT®300 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 Gigabit Ethernet, Fast Ethernet, Ethernet, ATM155, FDDI, token ring 4/16 Mbit/s, or ISDN absolutely trouble-free. With its optimized construction, the HELUKAT®300 series can be manufactured quickly and easily with all common RJ45 plugs. This type is certified according UL because of the special PVC jacket.

Part no.

802174, U/FTP 4x2xAWG 26/7 PVC

Dimensions and specifications may be changed without prior notice.

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