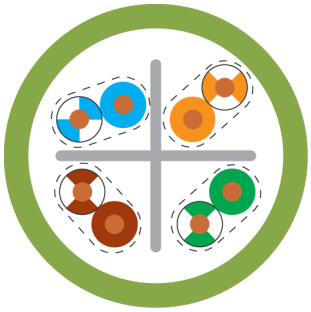
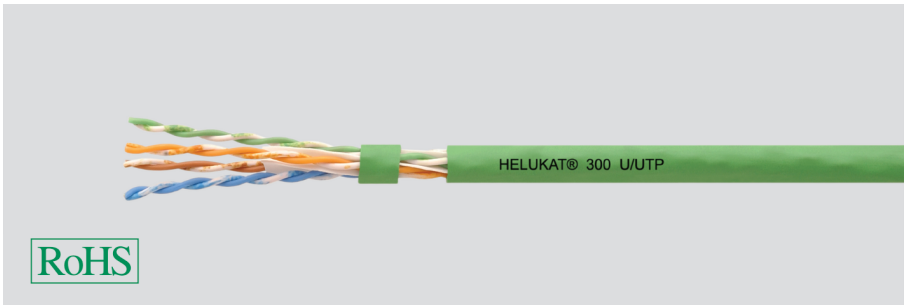
LAN Cable

Category 6

HELUKAT® 300

U/UTP FRNC

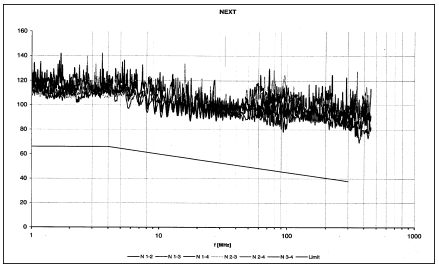




Cable structure

U/UTP 4x2xAWG 24/1 FRNC

Inner conductor Ø:	0,55 mm
Conductor material:	Copper, bare
Core insulation:	PE
Core colours:	whbu/bu, whog/og, whgn/gn, whbn/bn
Separator:	Polyester foil over stranded bundle
Screen over stranding element:	-
Screen 1 over stranding:	-
Screen 2 over stranding:	-
Outer sheath material:	FRNC
Outer diameter:	app. 6,8 mm
Outer sheath colour:	Green similar to RAL 6018



Electrical data

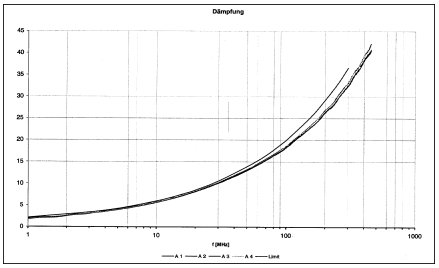
Characteristic impedance:	100 Ohm ± 15 Ohm at 1 to 100 MHz 100 Ohm ± 20 Ohm at 101 to 300 MHz
Loop resistance:	190 Ohm/km max.
Mutual capacitance:	50 nF/km nom.
Rel. propagation velocity:	67 %

Typical values

Frequency	(MHz)	10	16	62,5	100	155	200	300
Attenuation	(db/100m)	5,6	7,0	14,3	18,2	22,9	26,0	32,5
Next	(db)	72,0	70,0	65,0	63,0	60,0	57,0	55,0
ACR	(db)	66,4	63,0	50,7	44,8	37,1	31,0	22,5

Technical data

Weight:	app. 46 kg/km
bending radius, repeated:	55 mm
Operating temperature range min.:	-20°C
Operating temperature range max.:	+60°C
Caloric load, approx. value:	0,125 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 60332-1-2, Smoke density acc. to IEC 61034, Halogen-free acc. to 60754-2, Corrosiveness acc. to EN50267-2-3

Application

HELUKAT®300 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.

804766, U/UTP 4x2xAWG24/1 FRNC (UTP)

Dimensions and specifications may be changed without prior notice.