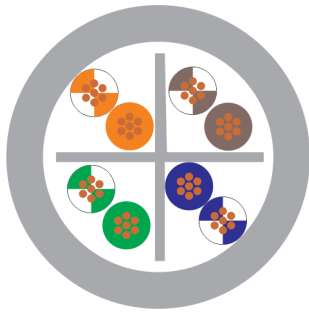


LAN-Cable

Category 6

HELUKAT® 300

U/UTP flex



Cable structure

Inner conductor Ø:
Conductor material:
Core insulation:
Core colours:
Separator:
Screen over stranding element:
Screen 1 over stranding:
Screen 2 over stranding:
Outer sheath material:
Outer diameter:
Outer sheath colour:

0,61 mm
Copper, bare
PE
whbu/bu, whog/og, whgn/gn, whbn/bn
Polyester foil over stranded bundle
-
-
FRNC
app. 6,0 mm
Grey similar to RAL 7035

Electrical data

Characteristic impedance:
Loop resistance:
Mutual capacitance:
Rel. propagation velocity:

100 Ohm \pm 15 Ohm at 1 to 100 MHz
100 Ohm \pm 20 Ohm at 101 to 300 MHz
180 Ohm/km max.
50 nF/km nom.
67 %

Typical values

Frequency (MHz)	10	16	62,5	100	155	200	300
Attenuation (db/10m)	0,8	1,0	2,0	2,6	3,3	3,7	4,7
Next (db)	75,0	71,0	65,0	63,0	60,0	57,0	56,0
ACR (db)	74,2	70,0	63,0	60,4	56,7	53,2	51,3

Technical data

Weight:
bending radius, repeated:
Operating temperature range min.:
Operating temperature range max.:
Caloric load, approx. value:
Copper weight:

app. 38 kg/km
50 mm
-20°C
+60°C
0,11 MJ/m
19,00 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 unshielded 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. With its optimized construction, the HELUKAT®300 series can be manufactured quickly and easily with many common RJ45 plugs.

Part no.

804996, U/UTP 4x2xAWG 24/7 FRNC (UTP)

Dimensions and specifications may be changed without prior notice.

