

LAN Cable

Category 6a

HELUKAT® 600

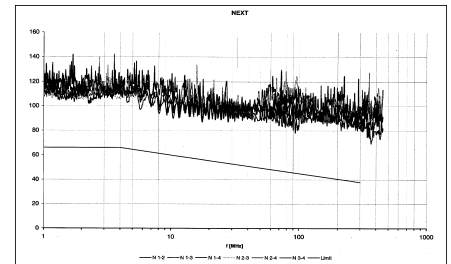
U/UTP FRNC



Cable structure

Inner conductor Ø: 0,56 mm
Conductor material: Copper, bare
Core insulation: PE
Core colours: whbu/bu, whog/og, whgn/gn, whbn/bn
Separator: -
Screen over stranding element: -
Screen 1 over stranding: -
Screen 2 over stranding: -
Outer sheath material: FRNC
Outer diameter: app. 6,5 mm
Outer sheath colour: Grey similar to RAL 7035

U/UTP 4x2xAWG 23/1 FRNC



Electrical data

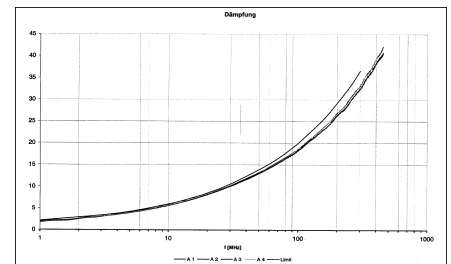
Characteristic impedance: 100 Ohm ± 15 Ohm at 1 to 100 MHz
100 Ohm ± 20 Ohm at 101 to 600 MHz
Loop resistance: 150 Ohm/km max.
Mutual capacitance: 50 nF/km nom.
Rel. propagation velocity: 67 %

Typical values

Frequency (MHz)	10	16	62,5	100	155	200	300	500	600
Attenuation (db/100m)	5,5	6,9	14,3	18,0	22,1	25,3	31,8	39,8	44,1
Next (db)	72,0	70,0	65,0	63,0	60,0	57,0	55,0	53,0	49,0
ACR (db)	66,5	63,1	50,7	45,0	37,9	31,7	23,2	13,2	4,9

Technical data

Weight: app. 52 kg/km
bending radius, repeated: 55 mm
Operating temperature range min.: -20°C
Operating temperature range max.: +60°C
Caloric load, approx. value: 0,135 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 6a, 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, CMX 444

Application

HELUKAT® 600 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.

805179, U/UTP 4x2xAWG23/1 FRNC (UTP)

Dimensions and specifications may be changed without prior notice.