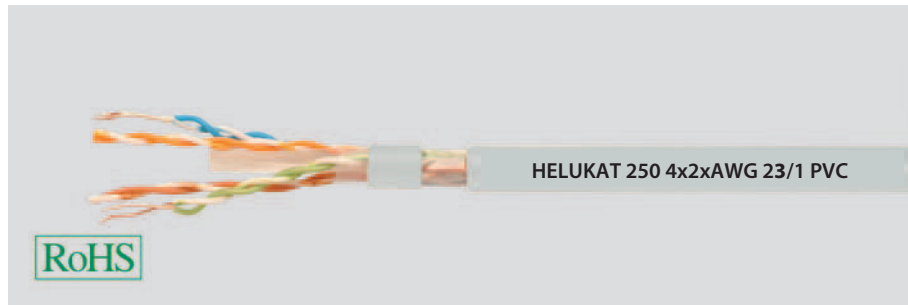


LAN Cable

Category 6 23 AWG PVC**HELUKAT® 250**
U/UTP

Cable structure

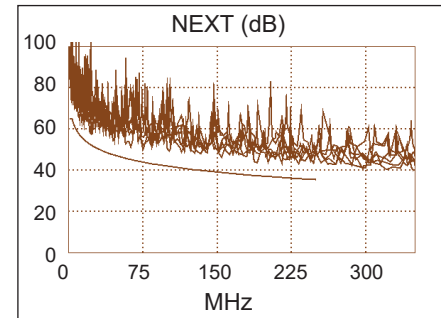
Inner conductor Ø: Conductor material:
Core insulation:
Core colours:
Shielding 1:
Screen over stranding element:
Screen 1 over stranding: Screen 2 over stranding: Outer sheath material:
Outer diameter:
Outer sheath colour:

U/UTP 4x2xAWG 23/1 PVC

0,54 ± 0,01 mm
Copper, bare
HDPE
whbu/bu, whog/og, whgn/gn, whbn/bn
Polyester foil over stranded bundle
-
-
-
PVC
app. 5,60 ± 0,20 mm
Grey (RAL 7035 or similar)

Electrical data

Characteristic impedance: 100 Ohm ± 15 ohm at 1 to 100 MHz
100 Ohm ± 20 Ohm at 101 to 350 MHz
Conductor DC Resistance at 20°C: <90 Ohm/km max.
Mutual capacitance: 50 nF/km nom.
Rel. propagation velocity: 70 %



Typical values

Frequency (MHz)	10	20	62,5	100	250
Attenuation (db/100m)	5,45	7,85	14,3	18,7	30,9
Next (db)	64,3	59,8	52,4	49,3	43,3
ACR (db)	58,85	51,95	38,1	30,6	12,4

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: 0,68 MJ/m
Copper weight: 17,40 kg/km

Norms

Acc. to ISO/IEC 11801, Acc. to EN 50173, Acc. to ANSI/TIA 568-C.2, Category 6, Flame-retardant acc. to IEC 60332-1

Application

HELUKAT®250 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.

18024721, U/UTP 4x2xAWG23/1 PVC (UTP)

Dimensions and specifications may be changed without prior notice.