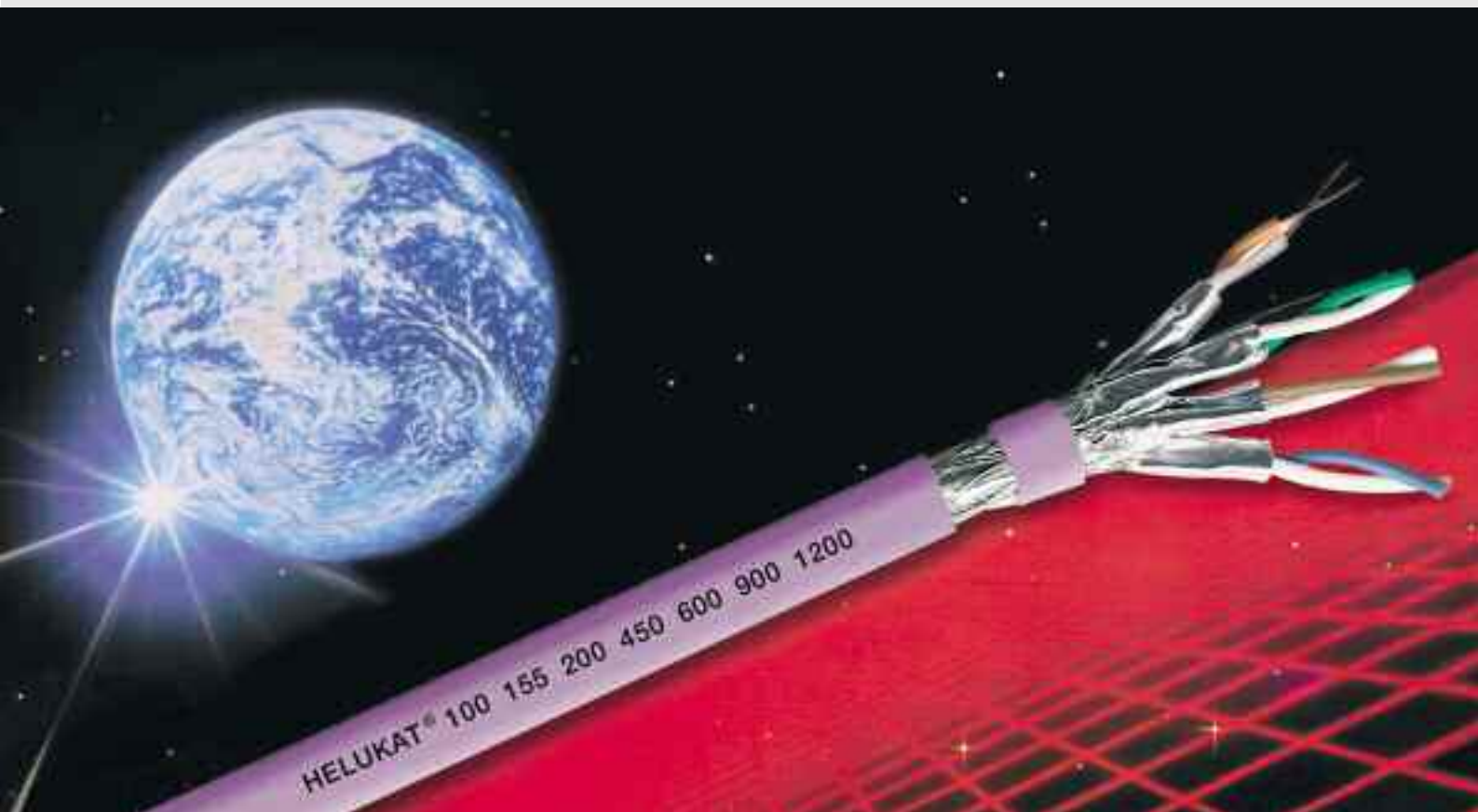


**Competent in  
copper data cables**



**LAN-Product-Information  
Type range**

## HELUKAT® 100/155

This communication cable is available in an unshielded (UTP) and shielded (FTP) version and meets the category 5-standard. It is suitable for the use with the current data transmission standards.

A flexible version exists for termination with RJ45-connectors.

**Application:** Terminal-, floor-, building-area

**New**

We supply also category 5-data cables fit for torsion.

- Bending radius during laying:
- Bending radius after installation:
- Temperature range static stage:
- Temperature range moving state:
- Flame retardance (at FRNC):
- Halogenfree - version (FRNC):
- Smoke density:

at least 8 x outer diameter  
at least 4 x outer diameter  
-20°C to +60°C  
0°C to +50°C  
acc. IEC 60332-3, EN 50266  
IEC 60754-2, EN 50267  
acc. IEC 61034, EN 50268

## HELUKAT® 200

This communication cable is performed with foil- and braid-screen (S-FTP) because of the higher requirements in regard to immunity and electromagnetic interference. There are versions available with PVC- and flame retardant-outer sheath material. In addition we offer a duplex version (siamese cable) and a flexible variant for termination with RJ45-connectors.

For the employment in rough environment or drag chain there are various types with a special PUR-outerjacket constructed.

**Application:** Terminal-, floor-, building-area, machinery industrie, drag chain

- Bending radius during laying:
- Bending radius after installation:
- Temperature range static stage:
- Temperature range moving state:
- Flame retardance (at FRNC):
- Halogenfree - version (FRNC):
- Smoke density:

at least 8 x outer diameter  
at least 4 x outer diameter  
-20°C to +60°C  
0°C to +50°C  
acc. IEC 60332-3, EN 50266  
IEC 60754-2, EN 50267  
acc. IEC 61034, EN 50268

## HELUKAT® 450

This communication cable is for applications with a bandwidth of up to 450 MHz and exceeds with its excellent transmission parameter the requirements of the category 6-specification. For this frequency range it exist halogen-free and flame retardant cables with individual pair and overall screening. Furthermore you find a duplex-version (siamese) and a flexible variant for termination with RJ45-connectors.

**Application:** Terminal-, floor-, building-area

- Bending radius during laying:
- Bending radius after installation:
- Temperature range static stage:
- Temperature range moving state:
- Flame retardance (at FRNC):
- Halogenfree - version (FRNC):
- Smoke density:

at least 8 x outer diameter  
at least 4 x outer diameter  
-20°C to +60°C  
0°C to +50°C  
acc. IEC 60332-3, EN 50266  
IEC 60754-2, EN 50267  
acc. IEC 61034, EN 50268

## HELUKAT® 600

This communication cable is designed for applications with a bandwidth of up to 600 Mhz and exceeds with its excellent transmission parameters the category 7-specification.

The suitability for transmission systems with highest bit rates guarantees the high safety for the future requirements. Furthermore you find a duplex-version (siamese) and a flexible variant for termination with RJ45-connectors.

**Application:** Terminal-, floor-, building-area

- Bending radius during laying:
- Bending radius after installation:
- Temperature range static stage:
- Temperature range moving state:
- Flame retardance (at FRNC):
- Halogenfree - version (FRNC):
- Smoke density:

at least 8 x outer diameter  
at least 4 x outer diameter  
-20°C to +60°C  
0°C to +50°C  
acc. IEC 60332-3, EN 50266  
IEC 60754-2, EN 50267  
acc. IEC 61034, EN 50268

## HELUKAT® 900

This communication cable is designed for applications with a bandwidth of up to 600 MHz and exceeds with its excellent transmission parameter the requirements of the category 7-specification.

The suitability for transmission systems with highest bit rates guarantees the high safety for the future requirements.

Besides in our portfolio you can find a Duplex-Version (Siamese).

**Application:** Terminal-, floor-, building-area

- Bending radius during laying:
- Bending radius after installation:
- Temperature range static stage:
- Temperature range moving state:
- Flame retardance (at FRNC):
- Halogenfree - version (FRNC):
- Smoke density:

at least 8 x outer diameter  
at least 4 x outer diameter  
-20°C to +60°C  
0°C to +50°C  
acc. IEC 60332-3, EN 50266  
IEC 60754-2, EN 50267  
acc. IEC 61034, EN 50268

## HELUKAT® 1200

This communication cable is for applications with a bandwidth of up to 1200 MHz and exceed extremely the requirement of category 7-specification. Therefore highest data rates are guaranteed in GHz-frequency range with the high safety for the future requirements.

**Application:** Terminal-, floor-, building-area

- Bending radius during laying:
- Bending radius after installation:
- Temperature range static stage:
- Temperature range moving state:
- Flame retardance (at FRNC):
- Halogenfree - version (FRNC):
- Smoke density:

at least 8 x outer diameter  
at least 4 x outer diameter  
-20°C to +60°C  
0°C to +50°C  
acc. IEC 60332-3, EN 50266  
IEC 60754-2, EN 50267  
acc. IEC 61034, EN 50268

**Art. No. 80053**  
UTP 4x2xAWG 24/1 PVC solid  
**Art. No. 80043**  
FTP 4x2xAWG 24/1 PVC solid  
**Art. No. 81278**  
FTP 4x2xAWG 26/7 FRNC flexible

• Norms: ISO/IEC 11801, EN 50173, EIA/TIA 568, IEEE 802.3 10 BASE T Ethernet, IEEE 802.3u 100 BASE T Fast Ethernet, IEEE 802.3ab 1000 BASE T Gigabit Ethernet, Category 5 acc. EN 50173



**HELUKAT 100/155**

**Art. Nr.: 81610**  
S-FTP 4x2xAWG 24/1 PVC solid  
**Art. Nr.: 81609**  
S-FTP 4x2xAWG 24/1 FRNC solid  
**Art. Nr.: 81123**  
S-FTP 2x4x2xAWG 24/1 FRNC siamese / duplex, solid  
**Art. Nr.: 81254**  
S-FTP 4x2xAWG 26/7 FRNC flexible  
**New Art. Nr.: 800068**  
S-FTP 4x2xAWG 26/7 PUR rough flexible  
**Art. No. 81155**  
S-FTP 4x2xAWG 24/19 PUR drag chain

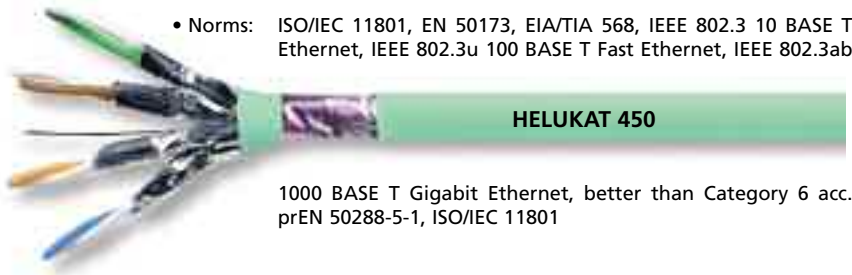
• Norms: ISO/IEC 11801, EN 50173, EIA/TIA 568 IEEE 802.3 10 BASE T Ethernet, IEEE 802.3u 100 BASE T Fast Ethernet, IEEE 802.3ab 1000 BASE T Gigabit Ethernet, better than Category 5 acc. EN 50173



**HELUKAT 200**

**Art. Nr.: 82501**  
S-STP 4x2xAWG 24/1 FRNC solid  
**Art. Nr.: 82502**  
S-STP 2x4x2xAWG 24/1 FRNC siamese / duplex, solid

• Norms: ISO/IEC 11801, EN 50173, EIA/TIA 568, IEEE 802.3 10 BASE T Ethernet, IEEE 802.3u 100 BASE T Fast Ethernet, IEEE 802.3ab



**HELUKAT 450**

1000 BASE T Gigabit Ethernet, better than Category 6 acc. prEN 50288-5-1, ISO/IEC 11801

**Art. Nr.: 80810**  
S-STP 4x2xAWG 23/1 FRNC solid  
**Art. Nr.: 81446**  
S-STP 2x4x2xAWG 23/1 FRNC siamese / duplex, solid  
**Art. Nr.: 80294**  
S-STP 4x2xAWG 26/7 FRNC flexible

• Norms: ISO/IEC 11801, EN 50173, EIA/TIA 568, IEEE 802.3 10 BASE T Ethernet, IEEE 802.3u 100 BASE T Fast Ethernet, IEEE 802.3ab 1000 BASE T Gigabit Ethernet, Category 7 acc. prEN 50288-4-1, ISO/IEC 11801



**HELUKAT 600**

**New Art. Nr.: 800086**  
S-STP 4x2xAWG 23/1 FRNC solid  
**New Art. Nr.: 800087**  
S-STP 2x4x2xAWG 23/1 FRNC siamese / duplex, solid

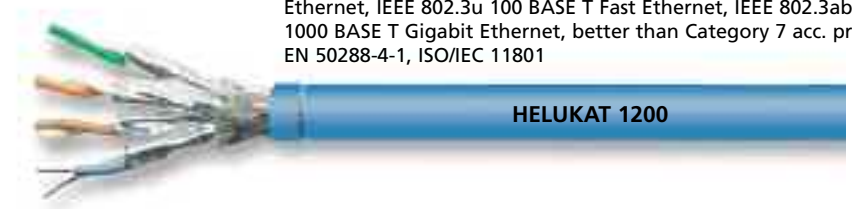
• Norms: ISO/IEC 11801, EN 50173, EIA/TIA 568, IEEE 802.3 10 BASE T Ethernet, IEEE 802.3u 100 BASE T Fast Ethernet, IEEE 802.3ab 1000 BASE T Gigabit Ethernet, better than Category 7 acc. prEN 50288-4-1, ISO/IEC 11801



**HELUKAT 900**

**Art. Nr.: 81699**  
S-STP 4x2xAWG 22/1 FRNC solid  
Duplex-version on request.

• Norms: ISO/IEC 11801, EN 50173, EIA/TIA 568 IEEE 802.3 10 BASE T Ethernet, IEEE 802.3u 100 BASE T Fast Ethernet, IEEE 802.3ab 1000 BASE T Gigabit Ethernet, better than Category 7 acc. pr EN 50288-4-1, ISO/IEC 11801



**HELUKAT 1200**

Subject to technical alteration.

# Fax-Inquiry

Fax 0 71 50/97 08 19

If you have any question please contact us.  
Phone 0 71 50/92 09-134, -179

Sender
Name/Position

Cable structure	Part no.	Quantity	Unit	Delivery Date

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- your actually catalogue Cables & Wires
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