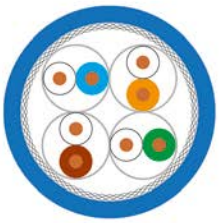
HELUKAT® 1500LAN CAT.7A S/FTP FRNC STATIC

performance up to 1500 MHz





TECHNICAL DATA

LAN cable / Cat. 7_A acc. to IEC 61156-5, ISO/IEC 11801, DIN EN 50288-9-1, DIN EN 50173, IEC 61156-7

Temperature range	flexible 0°C to +50°C fixed -20°C to +60°C
Test voltage core/core	1000 V
Test voltage core/screen	1000 V
Loop resistance at 20°C	max. 128.0 Ohm/km
Insulation resistance	min. 5000 MOhm x km
Rel. Velocity of Propagation	approx. 79%
Characteristic impedance	at 100 MHz, 100 Ohm ± 5 Ohm
Caloric load	approx. 650.00 MJ/m
Minimum bending radius	during installation 8x Outer-Ø fixed installation 4x Outer-Ø

CABLE STRUCTURE

- Copper conductor bare
- Core insulation: Foam PE
- Core identification: colour coded, pairs:
  No. 1: white / blue
  No. 2: white / orange
  No. 3: white / green
  No. 4: white / brown
- Pairs stranded with optimal lay lengths
- Screen: braided screen of tinned copper wires
- Outer sheath: halogenfreies Polymer (LS0H)
- Sheath colour: blue (RAL 5015)
- Length marking: in metres

PROPERTIES

- halogen-free
- flame-retardant

TESTS

- CPR class: D_{ca} s2 d1 a1

APPLICATION

Data cable for structured cabling systems with generous headroom and outstanding performance, for use in the tertiary and secondary areas of networks. The special mechanical properties and optimised construction allow for easy installation. The generous headroom make it particularly suitable for high data rates, such as multimedia applications.

NOTES

- Conductor sizes are based on the AWG measurement system, metric conductor sizes (mm²) are approximated and are for reference only

TYPICAL VALUES

Frequency (MHz)	1	4	10	16	20	31.25	62.5	100	155	200	250	300	600	1000	1200	1500
Attenuation (dB/100m)	1.7	3.3	5.1	6.5	7.3	9.1	12.8	16.3	20.3	23.0	25.8	28.3	40.2	52.1	57.1	64.1
NEXT (dB)	100	100	100	100	100	100	100	100	95	95	90	89	85	83	83	80
ACR (dB/100m)	98	97	95	94	93	91	87	83	75	72	64	61	45	31	26	16

Part no.	No. cores x AWG-No.	Cross-sec. mm², approx.	Core Ø mm, approx.	Conductor Ø mm, approx.	Outer Ø mm, approx.	Cu factor per km	Weight kg/km, approx.
11027763	4 x 2 x AWG 22 /1	0.30	0.62	1.5	7.6	35.0	67.0

19.11.2025 / We reserve the right to make technical changes; the imprint in the image is purely exemplary