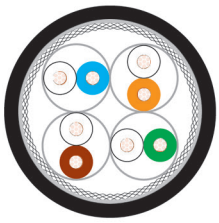
HELUKAT® 500IND S/FTP CAT.6A FRNC FLEX





TECHNICAL DATA

Industrial Ethernet cable acc. to ISO/IEC 11801, IEC 61156-6, UL-Std. 758 (AWM) Style 21307

Temperature range	flexible 0°C to +50°C fixed -40°C to +80°C
Peak operating voltage	80 V (not for high power current installation purposes)
Loop resistance at 20°C	max. 150.0 Ohm/km
Insulation resistance	min. 5000 MOhm x km
Characteristic impedance	at 1 to 100 MHz, 100 Ohm ± 15 Ohm
Minimum bending radius	flexible 8x Outer-Ø fixed installation 4x Outer-Ø

CABLE STRUCTURE

- Copper wire tinned
- Core insulation: Foam PE
- Cores stranded in pairs with optimal lay lengths
- Screening element: pairs, plastic-coated aluminium foil (St)
- 4 pairs stranded into bundles with optimal lay lengths
- 1. Screen: plastic-coated aluminium foil (St)
  2. Screen: braided screen of tinned copper wires
- Fleece wrapping
- Outer sheath: halogen-free, flame retardant compound (FRNC)
- Sheath colour: black (RAL 9005)
- Length marking: in metres

PROPERTIES

- resistant to: UV radiation
- halogen-free

TESTS

- flame-retardant acc. to DIN VDE 0482-332-1-2 / DIN EN 60332-1-2 / IEC 60332-1-2, CSA FT2
- oil-resistant acc. to DIN VDE 0473-811-404 / DIN EN 60811-404 / IEC 60811-404, IRM 902 4h at +70°C

APPLICATION

HELUKAT® 500IND S/FTP CAT.6A FRNC FLEX for fixed installations subjected to vibration or occasional movement in industrial networks.

TYPICAL VALUES

Frequency (MHz)	10	16	62.5	100	250	500
Attenuation (dB/100m)	5.6	7.0	13.8	17.6	28.3	34.0
NEXT (dB)	60.3	57.0	49.0	45.0	39.0	35.0

Part no.	No. cores x AWG-No.	Conductor Ø mm, approx.	Core Ø mm, approx.	Outer-Ø min - max mm	Weight kg/km, approx.
11026524	4 x 2 x AWG 23 /7	0.66	1.55	8.2 - 9.2	88.0

12.08.2025 / We reserve the right to make technical changes; the imprint in the image is purely exemplary