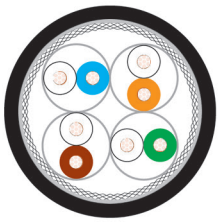
HELUKAT® 500IND CAT.6A S/FTP PVC FLEX

flame-retardant



TECHNICAL DATA

Industrial Ethernet cable acc. to ISO/IEC 11801, UL-Std. 758 (AWM) Style 2461

Temperature range	flexible 0°C to +50°C fixed installation -40°C to +80°C
Peak operating voltage	80 V (not for high power current installation purposes)
Test voltage core/core	800 V
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 at 101 to 500 MHz, 100 Ohm ± 20 Ohm
Minimum bending radius	flexible 8x Outer-Ø null 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)
- Pairs stranded in layers with optimal lay lengths
- Screen: braided screen of tinned copper wires
- Outer sheath: PVC
- Sheath colour: black
- Length marking: in metres

PROPERTIES

- resistant to: oil, UV radiation
- flame-retardant

TESTS

- flame-retardant acc. to DIN VDE 0482-332-1-2 / DIN EN 60332-1-2 / IEC 60332-1-2, CSA FT2
- Sunlight Resistance (SUN RES) acc. to UL Std. 1581 Sec. 1200

APPLICATION

HELUKAT® 500IND was designed for fixed installation and occasional moving. The cable construction is optimized to be used either in industrial systems as a classic Cat 6A cable. This is also ideal for use in CP-Link 4 systems from company Beckhoff as a transmission medium for DVI- and USB 2.0 signals as well as the 24 V power supply to the multi-touch panels.

NOTES

- UL Voltage Rating: 300 V

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.	Outer-Ø min - max mm	Conductor Ø mm, approx.	Core Ø mm, approx.	Weight kg/km, approx.
11023769	4 x 2 x AWG 23 /7	8.5 - 8.8	0.66	1.58	81.0