

# TTLan® UltraFlex Cat.6A S/FTP Patch Cable

suitable for industrial use

1/2

UL listed

Very flexible LSOH jacket material

Compact connector design

Improved installation

Individual test report

Up to 10x more durable than comparable patch cables\*

\*under stress load

The highly flexible **UltraFlex** Cat.6A patch cable allows significantly smaller bending radii compared to standard PVC and standard LSOH cables.

The patch cable is UL listed and has been tested for all functions and channels. Individual test report with each cable.

Ideal for applications in industrial areas or for optimized cable management in network cabinets. Significantly longer durability compared to standard patch cables for applications in "motion" or frequent handling.



## Specification

Plugs:	2x RJ45 Plug, shielded 8P8C; UL94-V2
Category:	Cat.6A
Pinout:	1:1 T568B
Cable:	4x2x S/FTP (PiMF); AWG26/7 Inner conductors: 100% copper Outer diameter: 6.0±0.2 mm
Cable jacket:	Halogen-free according to IEC 60754-2 Flame-retardant according to IEC 60232-1 Low smoke according to IEC 6103
UL:	E499958

## Transmission Properties

Up to 10GBit / 500 MHz

## Certificates

3P

## Mechanical Properties

Plugs:	50µ gold-plated in contact area integrated kink protection
Bending radius:	Min. 10 mm
Mating cycles:	≥1200
Temperature Range:	-20°C up to +80°C
Channel Test:	100% Cat.6A
Test Report:	Fluke test report per patch cable

## Electrical Properties

Conductor resistance DC:	140Ω / km @ 20°C
Loop resistance:	290Ω / km @ 20°C
Insulation resistance:	20MΩ
Contact resistance:	30MΩ
Patch Cord Test voltage:	AC 250V 5mA 0.01S



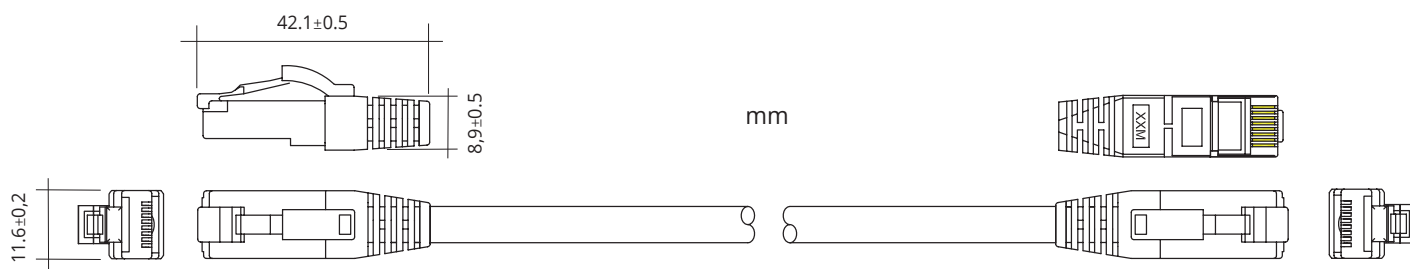
## UltraFlex Special Cable

The highly flexible UltraFlex LSOH special cable enables smallest bending radii, is extremely durable and resilient, insensitive to dirt and more environmentally friendly than conventional cables with PVC sheathing.



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## Parameter

Frequency	Max. Attenuation	NEXT	PS NEXT	ACR-F	PSACR-F	Return Loss
/	(dB/100 meters)	(dB), Min.	(dB), Min.	(dB), Min.	(dB), Min.	(dB), Min.
1	2.5	74.3	72.3	70.0	67.0	20.0
10	7.1	59.3	57.3	50.0	47.0	25.0
100	23.0	44.3	42.3	30.0	27.0	20.1
200	33.1	39.8	37.8	24.0	21.0	18.0
250	37.3	38.3	36.3	22.0	19.0	17.3
300	41.1	37.1	35.1	20.5	17.5	16.8
400	48.1	35.3	33.8	18.0	15.0	15.9
500	54.3	33.8	31.8	16.0	13.0	15.2

## Item Numbers

Length	Darkgrey RAL 7021 ●	Lightgrey RAL 7035 ○	Green RAL 6018 ●
0.15 m	1812-I-0,15M-UF	1822-I-0,15M-UF	1842-I-0,15M-UF
0.25 m	1812-I-0,25M-UF	1822-I-0,25M-UF	1842-I-0,25M-UF
0.5 m	1812-I-0,5M-UF	1822-I-0,5M-UF	1842-I-0,5M-UF
1.0 m	1812-I-1,0M-UF	1822-I-1,0M-UF	1842-I-1,0M-UF
1.5 m	1812-I-1,5M-UF	1822-I-1,5M-UF	1842-I-1,5M-UF
2.0 m	1812-I-2,0M-UF	1822-I-2,0M-UF	1842-I-2,0M-UF
3.0 m	1812-I-3,0M-UF	1822-I-3,0M-UF	1842-I-3,0M-UF
5.0 m	1812-I-5,0M-UF	1822-I-5,0M-UF	1842-I-5,0M-UF
7.5 m	1812-I-7,5M-UF	1822-I-7,5M-UF	1842-I-7,5M-UF
10.0 m	1812-I-10,0M-UF	1822-I-10,0M-UF	1842-I-10,0M-UF
15.0 m	1812-I-15,0M-UF	1822-I-15,0M-UF	1842-I-15,0M-UF
20.0 m	1812-I-20,0M-UF	1822-I-20,0M-UF	1842-I-20,0M-UF
30.0 m	1812-I-30,0M-UF	1822-I-30,0M-UF	1842-I-30,0M-UF

