

tBL[®] - TP Patch cord both ends 1x termination block Cat.6_A UC900 SS27 LSHF

tBL[®] - tde Basic Link (TP)

tBL[®] tde Basic Link (TP) is a complete system solution for structured cabling in Cat6A for transfer rates of up to 10GbE in real time. The tBL[®] - cabling link corresponds to a permanent link in accordance with ISO / IEC 11801 (EN 50173). The RJ45 modules are available in the form factors Keystone (KS) and Data Center (DC). The compact design of the 6fold RJ45 DC module allows a high packing density of up to 48 RJ45 ports on 1U. The RJ45 module is connected to the tBL[®] - cable termination block by simply plugging. The slim cable termination block can be easily assembled on the cable by using the tBL[®] - crimp tool and is suitable for preterminated cables. The modular design of individual RJ45 modules are interchangeable at any time without termination. A cost effective alternative product is the RJ45 keystone module without cable termination block in the tool-less design.

The system solution is complemented by an extensive portfolio of carrier systems. These include design-capable data outlets, floor box frames, Consolidation points, DIN rail modules and patch panels in 1/2 and 1U.

**tde[®] trans data elektronik GmbH****Headquarter address:**

Lingener Str. 2
D-49626 Bippen/Ohrte
Tel.: +49 5435 9511 0
Fax.: +49 5435 9511 32

Sales office address:

Prinz-Friedrich-Karl-Str. 46
D-44135 Dortmund
Tel.: +49 231 8805 61 13
Fax.: +49 231 8805 61 15

info@tde.de | www.tde.de

tBL[®] - TP Patch cord both ends 1x termination block Cat.6_A UC900 SS27 LSHF

Technical Data

xxxx	Length in cm
------	--------------

TP Termination Block

Construction	plastic with insulation displacement connection
Gold plating termination block	30 μ"
Color	transparent white
Application	Flex cable AWG 26 - AWG 27, alternative AWG 26 Solid Wire
	Plug bears small flag-like installation guide with color codes for pin-out according to EIA/TIA 568 A and B.

TP Cable

Standards	EN 50173-1
	EN 50288-4-2
	ISO/IEC 11801
	IEC 61156-6
	IEEE 802.3af / at / bt
Flame resistance LSHF (FRNC)	IEC 60332-1
	IEC 60754-2
	IEC 61034
Reaction to fire (Euroclasses)	Class D _{ca} s2 d2 a1

Construction

Type	DRAKA UC900 FLEX CAT.7 S/FTP 4P LSHF
Conductor	stranded bare copper wire AWG 26/7
Insulation	Foam Skin Polyethylene, Ø 1,00 mm
Wire color code	blue/white; orange/white; green white; brown/white
Twisting	2 cores to the pair
Pair screen	Al-laminated plastic foil
Cable lay up	4 pairs (PiMF) to the core
Screen	Copper braid, tinned
Sheath	LSHF, Color see type table

Mechanical properties

Minimum bending radius	Without load	4 x D
	With load	8 x D
Temperature range	During operation	-20°C to +60°C
	During installation	0°C to +50°C

tBL® - TP Patch cord both ends 1x termination block Cat.6_A UC900 SS27 LSHF

Electrical properties at 20°C ± 5°C

Loop resistance		290 Ω /km
Resistance unbalance		≤ 3%
Insulation resistance	500 V	≥ 2000 MΩkm
Mutual capacitance	at 800 Hz	Nom. 43 nF/km
Capacitance unbalance	(pair/ground)	≤ 1500 pF/km
Mean characteristic impedance	100 MHz	100 ± 5 Ω
Nominal velocity of propagation		ca. 79%
Propagation delay		460 ns/100m
Delay skew		12 ns/100m
Test voltage	(DC, 1 min) core/core and core/screen	1000 V
Transfer impedance	at 1 MHz	25 mΩ/m
	at 10 MHz	25 mΩ/m
Coupling attenuation		80 dB

Electrical Data (nominal) acc. to Cat.7 (at 20°C)

F	Attenuation	NEXT	ACR	ELFEXT	Return loss
MHZ	dB/10m	dB	dB/100m	dB/100m	dB
1,0					
4,0					24
10,0	1,0	90	89	80	25
16,0	1,3	90	89	76	25
20,0	1,4	90	89	74	25
31,2	1,8	90	88	70	25
62,5	2,6	90	87	64	23
100,0	3,2	87	84	60	21
155,5	4,0	84	80	56	19
200,0	4,6	82	77	54	18
250,0	5,1	81	76	52	18
300,0	5,6	80	74	50	17
600,0	7,9	75	67	44	17
750,0	8,7	73	64	42	
900,0	9,7	72	62	41	
1000,0	10,2	71	61	40	

Outerdiameter	5.9 mm
Fire load	349 MJ/km
	0.097 kWh/m
Weight	39 kg/km
Copper content	24
Tensile force	100 N
Available colors (zz)	(GR) grey, (GN) green, (BL) blue, (GE) yellow, (RT) red, (OR) orange, (SW) black, (VI) magenta

tBL[®] - TP Patch cord both ends 1x termination block Cat.6_A UC900 SS27 LSHF

Product variants & accessories

Art.-No.	Description
T-TKT/TKT-N27-xxxx	tBL [®] - TP Patch cord both ends 1x termination block Cat.6 _A UC900 SS27 LSHF