DATASHEET

RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, black



Cat.6A | 10 Gbit | 500 MHz | 100% CU | made in Europe | CE

Description

The Cat.6A RJ45 patch cable **manufactured in Europe** guarantees very good characteristics for **10 Gigabit** Ethernet applications. The patch cable is composed of the Cat.7 raw cable **UC900 SS27** from Draka and **TM21** connectors from Hirose.

Cross section 4 x 2 x AWG27/7
Mounted anti-kink grommet

General data	
Category	6A (TIA)
Type of connector connection 1	RJ45 8(8)
Type of connector connection 2	RJ45 8(8)
Connector type	TM21 red
Contacts	Gold plated
Pin assignment	1:1
Allocation	acc. TIA/EIA 568B
Type	Shielded
Anti-kink sleeve	put-on
Colour anti-kink sleeve	black
Locking lever	True

Mechanical characteristics	
Mating cycles	≥750
Bending radius	>25 mm
Conductive shield	360° shield contact

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Cable construction	
Raw cable	Cat.7
Cable structure	S/FTP
Total screening	ca. 45 %
Cable construction	4x2
AWG-size/strands per core	27/7
Conductor Material	Copper

Cable sheath	
Jacket material	LSZH
Colour outer sheath	black
Outer diameter of the cable	5.9 mm
Euro class	Eca
Flame-retardant	acc. IEC60332-1
Halogen-free	acc. IEC60754-2
Low smoke	acc. IEC61034

Environmental conditions	
Temperature Range (Operation)	-20 – 60 °C
Temperature Range (Installation)	0 – 50 °C

Electrical characteristics	
NVP value	79 %
Impedance	100 ±25 Ω
Conductor resistance DC	170 Ω/km
Loop resistance	< 340 Ω/km
Resistance unbalance	< 3 %
Insulation resistance	> 2000 MΩ
Test voltage	1000 (V DC, 1min) core/core und core/screen

Transmission characteristics	
Bandwidth	500MHz

Standards, approvals, certifications	
Connector	IEC 60603-7-51
Harmonised Standard	EN 50575

Available variants

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Article no.	Title	Length
K8050.0,50	RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 0,5m, black	0.5 m
K8050.1	RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 1m, black	1.0 m
K8050.1,5	RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 1,5m, black	1.5 m
K8050.2	RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 2m, black	2.0 m
K8050.3	RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 3m, black	3.0 m
K8050.4	RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 4m, black	4.0 m
K8050.4,5	RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 4,5m, black	4.5 m
K8050.5	RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 5m, black	5.0 m
K8050.5,5	RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 5,5m, black	5.5 m
K8050.6,5	RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 7,5m, black	6.5 m
K8050.7,5	RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 7,5m, black	7.5 m
K8050.8,5	RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 8,5m, black	8.5 m
K8050.9	RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 9m, black	9.0 m
K8050.10	RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 10m, black	10.0 m
K8050.10,5	RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 10,5m, black	10.5 m
K8050.11	RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 11m, black	11 m
K8050.11,5	RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 11,5m, black	11.5 m
K8050.12	RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 12m, black	12.0 m
K8050.12,5	RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 12,5m, black	12.5 m
K8050.15	RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 15m, black	15.0 m
K8050.20	RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 20m, black	20.0 m
K8050.25	RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 25m, black	25.0 m
K8050.30	RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, 30m, black	30.0 m

similar product	
K8052.1	RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, red
K8055.1	RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, yellow
K8053.1	RJ45 Patchkabel S/FTP, Cat.6A, TM21, UC900, green
K8051.1	RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, grey
K8058.1	RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, white
K8056.1	RJ45 Patchkabel S/FTP, Cat.6A, TM21, UC900, orange
K8054.1	RJ45 Patch cable S/FTP, Cat.6A, TM21, UC900, blue

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