DATASHEET

RJ45 Patch cable SF/UTP, Cat.5e, TM11, UC300, red



Cat.5E 2.5 Gbit
100 MHz 100% CU
made in Europe

Description

The Cat.5e RJ45 patch cable **manufactured in Europe** guarantees very good characteristics for 2.5 Gigabit Ethernet applications. The patch cable is composed of the raw cable **UC300 HS26** from Draka and **TM11** connectors from Hirose. Due to the **double shielding**, the patch cable is even **better protected against EMC radiation**.

Cross section 4 x 2 x AWG27/7
Mounted anti-kink grommet
Cable structure **SF/UTP**

General data	
Category	5E
Type of connector connection 1	RJ45 8(8)
Type of connector connection 2	RJ45 8(8)
Connector type	TM11
Cable type	Draka UC300 HS26
Contacts	Gold plated
Pin assignment	1:1
Allocation	acc. TIA/EIA 568B
Type	Shielded
Anti-kink sleeve	put-on
Colour anti-kink sleeve	red
Locking lever	No

Mechanical characteristics	
Mating cycles	≥750
Bending radius	>25 mm

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Cable construction	
Cable structure	SF/UTP
Cable construction	4x2
AWG-size/strands per core	26/7
Conductor Material	Copper

Cable sheath	
Jacket material	LSZH
Colour outer sheath	red
Outer diameter of the cable	5.7 mm
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	67 %
Impedance	100 ±15 Ω
Conductor resistance DC	130 Ω/km
Loop resistance	< 260 Ω/km
Resistance unbalance	< 3 %
Insulation resistance	> 2000 MΩ
Test voltage	1000 (V DC, 1min) core/core und core/screen

Transmission characteristics	
Bandwidth	100MHz
Transmission	2.5Gbit

Standards, approvals, certifications	
Connector	IEC 60603-7-3

Available variants

Article no.	Title	Length
K8012.0,50	RJ45 Patch cable SF/UTP, Cat.5e, TM11, UC300, 0,5m, red	0.5 m
K8012.1	RJ45 Patch cable SF/UTP, Cat.5e, TM11, UC300, 1m, red	1.0 m

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K8012.1,5	RJ45 Patch cable SF/UTP, Cat.5e, TM11, UC300, 1,5m, red	1.5 m
K8012.2	RJ45 Patch cable SF/UTP, Cat.5e, TM11, UC300, 2m, red	2.0 m
K8012.3	RJ45 Patch cable SF/UTP, Cat.5e, TM11, UC300, 3m, red	3.0 m
K8012.5	RJ45 Patch cable SF/UTP, Cat.5e, TM11, UC300, 5m, red	5.0 m
K8012.7,5	RJ45 Patch cable SF/UTP, Cat.5e, TM11, UC300, 7,5m, red	7.5 m
K8012.10	RJ45 Patch cable SF/UTP, Cat.5e, TM11, UC300, 10m, red	10.0 m
K8012.15	RJ45 Patch cable SF/UTP, Cat.5e, TM11, UC300, 15m, red	15.0 m
K8012.20	RJ45 Patch cable SF/UTP, Cat.5e, TM11, UC300, 20m, red	20.0 m
K8012.25	RJ45 Patch cable SF/UTP, Cat.5e, TM11, UC300, 25m, red	25.0 m
K8012.30	RJ45 Patch cable SF/UTP, Cat.5e, TM11, UC300, 30m, red	30.0 m

similar product	
K8017.1	RJ45 Patch cable SF/UTP, Cat.5e, TM11, UC300, grey
K8015.1	RJ45 Patch cable SF/UTP, Cat.5e, TM11, UC300, yellow
K8014.1	RJ45 Patch cable SF/UTP, Cat.5e, TM11, UC300, blue
K8013.1	RJ45 Patch cable SF/UTP, Cat.5e, TM11, UC300, green

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