

RJ45 TM21 Patch cable SF/UTP yellow, Cat.5e, PUR drag chain suitable



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 and **TM21** connectors from Hirose. Due to the strand construction **AWG26/19** and the **very flexible PUR sheath** the cable is **suitable for applications in drag chains**.

Very flexible **PUR** sheath superflex (RAL1021)

Alternating bending test (with load): according to VDE0472 part 603

Suitable for drag chains, typical 5 million cycles

Oil resistance according to EN60811-2-1

Ozone resistance according to EN60811

General data

Category	5e
Type of connector connection 1	RJ45 8(8)
Type of connector connection 2	RJ45 8(8)
Connector type	TM21 red
Cable type acc. to Manufacturer	Helu
Contacts	Gold plated μ " gold plated
Pin assignment	1:1
Allocation	acc. TIA/EIA 568B
Type	Shielded
Anti-kink sleeve	put-on
Colour anti-kink sleeve	yellow
Locking lever	yes

Mechanical characteristics

Mating cycles	2000
Bending radius	34 mm

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Mechanical characteristics

Conductive shield	360° shield contact
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Cable construction

Cable type	S/UTP
Total screening	90 %
Cable construction	4x2
AWG-size	26/19
Conductor Material	Copper

Cable sheath

Jacket material	PUR
Colour outer sheath	yellow
Outer diameter of the cable	6.9 mm
Flame-retardant	acc. IEC60332-1
Halogen-free	yes
Low smoke	yes
Oil resistant	No

Environmental conditions

Temperature Range (Operation)	-40 – 85 °C
Temperature Range (Installation)	0 – 50 °C

Electrical characteristics

NVP value	68 %
Impedance	100 ±5 Ω
Conductor resistance DC	125 Ω/km
Insulation resistance	500 MΩ
Test voltage	1000 V DC, 1min
POE class	PoE acc. to IEEE802.3af; PoE+ acc. to IEEE802.3at; 4PPoE acc. to IEEE802.3bt

Transmission characteristics

Bandwidth	100MHz
Transmission	2.5Gbit

Standards, approvals, certifications

Connector	IEC 60603-7-3
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Available variants

Article no. Title		Length	Length tolerance
K8035.1	RJ45 TM21 Patch cable SF/UTP yellow, Cat.5e, PUR drag chain suitable, 1m	1.0 m	±5 %
K8035I1	RJ45 TM21 Patch cable SF/UTP yellow, Cat.5e, PUR drag chain suitable, 1m	1.0 m	±5 %
K8035.2	RJ45 TM21 Patch cable SF/UTP yellow, Cat.5e, PUR drag chain suitable, 2m	2.0 m	±5 %
K8035.3	RJ45 TM21 Patch cable SF/UTP yellow, Cat.5e, PUR drag chain suitable, 3m	3.0 m	±5 %
K8035.5	RJ45 TM21 Patch cable SF/UTP yellow, Cat.5e, PUR drag chain suitable, 5m	5.0 m	±5 %
K8035.7,5	RJ45 TM21 Patch cable SF/UTP yellow, Cat.5e, PUR drag chain suitable, 7,5m	7.5 m	±5 %
K8035.10	RJ45 TM21 Patch cable SF/UTP yellow, Cat.5e, PUR drag chain suitable, 10m	10.0 m	±5 %
K8035.15	RJ45 TM21 Patch cable SF/UTP yellow, Cat.5e, PUR drag chain suitable, 15m	15.0 m	±5 %
K8035.20	RJ45 TM21 Patch cable SF/UTP yellow, Cat.5e, PUR drag chain suitable, 20m	20.0 m	±5 %
K8035.30	RJ45 TM21 Patch cable SF/UTP yellow, Cat.5e, PUR drag chain suitable, 30m	30.0 m	±5 %
K8035.40	RJ45 TM21 Patch cable SF/UTP yellow, Cat.5e, PUR drag chain suitable, 40m	40.0 m	±5 %

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Technical drawings

Alternating bending test (with load):
according to VDE0472 part 603

