

DATASHEET

RJ45 Patch cable F/UTP, Cat.5e, TM11, UC300, 0,25m, grey



General data

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 S26** from Draka and **TM11** connectors from Hirose.

Cross section 4 x 2 x AWG26/7

Mounted anti-kink grommet

Cable structure **F/UTP**

Allgemeine Daten

Locking lever	False
Cable type acc. to Manufacturer	Draka UC300 S26
Category	5e
Cable type	F/UTP
Suitable for degree of protection (IP)	IP20
Pin assignment	1:1
Connector type	TM11
Colour anti-kink sleeve	grey
Fire retardant version	True

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Model	Shielded
Material outer sheath	LSZH
Anti-kink sleeve	put-on
Contacts	Gold plated
Allocation	acc. TIA/EIA 568B
Area of Application	Industrial Ethernet
Colour outer sheath	grey
Current Rating	max. 1 A
Halogen free	True

Mechanische Eigenschaften

Conductive shield	360° shield contact
Bending radius	>20 mm
Mating cycles	2000

Kabelaufbau

Type of connector connection 2	RJ45 8(8)
Type of connector connection 1	RJ45 8(8)
Conductor Material	Copper
AWG-size	26/7
Cable construction	4x2

Kabelmantel

Oil resistant (according to EN 60811-404)	False
Halogen-free	yes
Flame retardant	acc. IEC60332-1
Outer diameter of the cable	5.4 mm
Low smoke	acc. IEC61034

Umgebungsbedingungen

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

Elektrische Eigenschaften

Resistance unbalance	< 3 %
Insulation Resistance	> 2000 MΩ

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Test voltage	1000 V DC, 1min
Impedance	100 $\pm$ 15 Ω
NVP value	67 %
POE class	PoE+ acc. to IEEE802.3at
Operating-/ tempering voltage	max. 50 V DC
Conductor resistance DC	130 Ω /km
Loop resistance	< 260 Ω /km

Übertragungstechnische Eigenschaften

Transmission	2.5Gbit
Bandwidth	100MHz

Normen, Zulassungen, Zertifizierungen

Connector	IEC 60603-7-3
Oil resistant (acc. EN 60811-2-1)	False

Available variants

ArtNr.	Bezeichnung	Length	Längentoleranz
K8452.0,15	RJ45 Patch cable F/UTP, Cat.5e, TM11, UC300, 0,15m, grey	0.15 m	$\pm$ 5 %
K8452.0,25	RJ45 Patch cable F/UTP, Cat.5e, TM11, UC300, 0,25m, grey	0.25 m	$\pm$ 5 %
K8452.0,50	RJ45 Patch cable F/UTP, Cat.5e, TM11, UC300, 0,5m, grey	0.5 m	$\pm$ 5 %
K8452.1	RJ45 Patch cable F/UTP, Cat.5e, TM11, UC300, 1m, grey	1.0 m	$\pm$ 5 %
K8452.1,5	RJ45 Patch cable F/UTP, Cat.5e, TM11, UC300, 1,5m, grey	1.5 m	$\pm$ 5 %
K8452.2	RJ45 Patch cable F/UTP, Cat.5e, TM11, UC300, 2m, grey	2.0 m	$\pm$ 5 %
K8452.3	RJ45 Patch cable F/UTP, Cat.5e, TM11, UC300, 3m, grey	3.0 m	$\pm$ 5 %
K8452.5	RJ45 Patch cable F/UTP, Cat.5e, TM11, UC300, 5m, grey	5.0 m	$\pm$ 5 %
K8452.7,5	RJ45 Patch cable F/UTP, Cat.5e, TM11, UC300, 7,5m, grey	7.5 m	$\pm$ 5 %
K8452.10	RJ45 Patch cable F/UTP, Cat.5e, TM11, UC300, 10m, grey	10.0 m	$\pm$ 5 %
K8452.15	RJ45 Patch cable F/UTP, Cat.5e, TM11, UC300, 15m, grey	15.0 m	$\pm$ 5 %
K8452.20	RJ45 Patch cable F/UTP, Cat.5e, TM11, UC300, 20m, grey	20.0 m	$\pm$ 5 %
K8452.25	RJ45 Patch cable F/UTP, Cat.5e, TM11, UC300, 25m, grey	25.0 m	$\pm$ 5 %
K8452.30	RJ45 Patch cable F/UTP, Cat.5e, TM11, UC300, 30m, grey	30.0 m	$\pm$ 5 %
K8452.35	RJ45 Patch cable F/UTP, Cat.5e, TM11, UC300, 35m, grey	35.0 m	$\pm$ 5 %
K8452.40	RJ45 Patch cable F/UTP, Cat.5e, TM11, UC300, 40m, grey	40.0 m	$\pm$ 5 %
K8452.50	RJ45 Patch cable F/UTP, Cat.5e, TM11, UC300, 50m, grey	50.0 m	$\pm$ 5 %

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