



## General data

The Cat.5e RJ45 patch cable ensures good characteristics for 2.5 Gigabit Ethernet applications. Due to the **double shielding**, the patch cable is even **better protected against EMC radiation**.

Cross section 4 x 2 x AWG26/7

Cast anti-kink grommet (**patented**)

Cable structure **SF/UTP**

**Length imprint on the grommet**

Conductor material CCA

## Allgemeine Daten

Cable type	SF/UTP
Colour anti-kink sleeve	blue
Category	5e
Suitable for degree of protection (IP)	IP20
Fire retardant version	False
Pin assignment	1:1
Locking lever	True
Material outer sheath	Polyvinylchlorid (PVC)

Model	Shielded
Contacts	Gold plated
Allocation	acc. TIA/EIA 568B
Area of Application	Industrial Ethernet
Length imprint	True
Anti-kink sleeve	plugged in
Current Rating	max. 1 A
Colour outer sheath	blue
Connector type	RJ45 standard
Halogen free	False

## Mechanische Eigenschaften

Conductive shield	Selected shield contact
Bending radius	>25 mm
Mating cycles	2000

## Kabelaufbau

Conductor Material	CCA
Type of connector connection 2	RJ45 8(8)
Total screening	65 %
Type of connector connection 1	RJ45 8(8)
AWG-size	26/7
Cable construction	4x2

## Kabelmantel

Oil resistant (according to EN 60811-404)	False
Outer diameter of the cable	5.7 mm
Silicone-free	True
Printing	SFTP 300 CAT.5E 26AWGX4P PATCH ISO/IEC 11801 & EN 50173 VERIFIED

## Umgebungsbedingungen

Temperature range	-5 - 70 °C
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## Elektrische Eigenschaften

Insulation Resistance	10 MΩ
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Test voltage	1000 V DC, 1min
Loop resistance	292 $\Omega$ /km
Contact Resistance	30 m $\Omega$
POE class	PoE+ acc. to IEEE802.3at
Operating-/ tempering voltage	max. 50 V DC
Resistance unbalance	5 %
Conductor resistance DC	146 $\Omega$ /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
K5459.0,5	RJ45 Patch cable SF/UTP, Cat.5e, PVC, CCA, 0.5m, blue	0.5 m	±5 %
K5459.1	RJ45 Patch cable SF/UTP, Cat.5e, PVC, CCA, 1m, blue	1.0 m	±5 %
K5459.1,5	RJ45 Patch cable SF/UTP, Cat.5e, PVC, CCA, 1.5m, blue	1.5 m	±5 %
K5459.2	RJ45 Patch cable SF/UTP, Cat.5e, PVC, CCA, 2m, blue	2.0 m	±5 %
K5459.3	RJ45 Patch cable SF/UTP, Cat.5e, PVC, CCA, 3m, blue	3.0 m	±5 %
K5459.5	RJ45 Patch cable SF/UTP, Cat.5e, PVC, CCA, 5m, blue	5.0 m	±5 %
K5459.7,5	RJ45 Patch cable SF/UTP, Cat.5e, PVC, CCA, 7.5m, blue	7.5 m	±5 %
K5459.10	RJ45 Patch cable SF/UTP, Cat.5e, PVC, CCA, 10m, blue	10.0 m	±5 %
K5459.15	RJ45 Patch cable SF/UTP, Cat.5e, PVC, CCA, 15m, blue	15.0 m	±5 %
K5459.20	RJ45 Patch cable SF/UTP, Cat.5e, PVC, CCA, 20m, blue	20.0 m	±5 %
K5459.25	RJ45 Patch cable SF/UTP, Cat.5e, PVC, CCA, 25.0m, blue	25.0 m	±5 %
K5459.30	RJ45 Patch cable SF/UTP, Cat.5e, PVC, CCA, 30m, blue	30.0 m	±5 %

## Drawings

