DATASHEET

RJ45 Patch cable SF/UTP, Cat.5e, PVC, CCA, black



Cat.5E | 2.5 Gbit
100 MHz | CCA
PVC

CE

Description

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

General data	
Category	5e
Type of connector connection 1	RJ45 8(8)
Type of connector connection 2	RJ45 8(8)
Connector type	RJ45 Standard
Contacts	Gold plated
Pin assignment	1:1
Allocation	acc. TIA/EIA 568B
Type	Shielded
Length imprint	yes
Anti-kink sleeve	moulded
Colour anti-kink sleeve	black
Locking lever	yes

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

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Cable construction	
Cable structure	SF/UTP
Total screening	65 %
Cable construction	4x2
AWG-size/strands per core	26/7
Conductor Material	CCA

Cable sheath	
Silicone-free	yes
Jacket material	PVC
Colour outer sheath	black
Printing	SFTP 300 CAT.5E 26AWGX4P PATCH ISO/IEC 11801 & EN 50173 VERIFIED
Outer diameter of the cable	5.7 mm

Environmental conditions	
Temperature range	-5 – 70 °C

Electrical characteristics	
Conductor resistance DC	146 Ω/km
Loop resistance	292 Ω/km
Resistance unbalance	5 %
Insulation resistance	10 MΩ
Contact resistance	30 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
K5456.0,5	RJ45 Patch cable SF/UTP, Cat.5e, PVC, CCA, 0.5m, black	0.5 m
K5456.1	RJ45 Patch cable SF/UTP, Cat.5e, PVC, CCA, 1m, black	1.0 m
K5456.1,5	RJ45 Patch cable SF/UTP, Cat.5e, PVC, CCA, 1.5m, black	1.5 m

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K5456.2	RJ45 Patch cable SF/UTP, Cat.5e, PVC, CCA, 2m, black	2.0 m
K5456.3	RJ45 Patch cable SF/UTP, Cat.5e, PVC, CCA, 3m, black	3.0 m
K5456.5	RJ45 Patch cable SF/UTP, Cat.5e, PVC, CCA, 5m, black	5.0 m
K5456.7,5	RJ45 Patch cable SF/UTP, Cat.5e, PVC, CCA, 7.5m, black	7.5 m
K5456.10	RJ45 Patch cable SF/UTP, Cat.5e, PVC, CCA, 10m, black	10.0 m
K5456.15	RJ45 Patch cable SF/UTP, Cat.5e, PVC, CCA, 15m, black	15.0 m
K5456.20	RJ45 Patch cable SF/UTP, Cat.5e, PVC, CCA, 20m, black	20.0 m
K5456.25	RJ45 Patch cable SF/UTP, Cat.5e, PVC, CCA, 25m, black	25.0 m
K5456.30	RJ45 Patch cable SF/UTP, Cat.5e, PVC, CCA, 30m, black	30.0 m

similar product	
K5458.1	RJ45 Patch cable SF/UTP, Cat.5e, PVC, CCA, red
K5457.1	RJ45 Patch cable SF/UTP, Cat.5e, PVC, CCA, yellow
K5460.1	RJ45 Patch cable SF/UTP, Cat.5e, PVC, CCA, green
K5459.1	RJ45 Patch cable SF/UTP, Cat.5e, PVC, CCA, blue
K5455.1	RJ45 Patch cable SF/UTP, Cat.5e, PVC, CCA, grey

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