DATASHEET

RJ45 Patch cable S/FTP, Cat.6, LSZH, orange

Cat.6 | 5 Gbit
250 MHz | 100% CU

Description

The shielded Cat.6 RJ45 patch cable with ensures excellent performance for 5 Gigabit Ethernet applications.

Cross section 4 x 2 x AWG27/7
Moulded grommet **(patented)**
Length imprint on the boot

General data	
Category	6
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	orange
Locking lever	yes

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Mechanical characteristics	
Mating cycles	≥750
Bending radius	>31 mm
Conductive shield	Selected shield contact

Cable construction	
Cable structure	S/FTP
Cable construction	4x2
AWG-size/strands per core	27/7
Conductor Material	Copper

Cable sheath	
Silicone-free	yes
Jacket material	LSZH
Colour outer sheath	orange
Printing	Cat.6 S/FTP 4x2xAWG27/7 PIMF ISO/IEC 11801 & EN50173-1 TIA/EIA 568B.2-1 Halogen Free ***Gigabit***
Outer diameter of the cable	6.2 mm
Flame-retardant	acc. IEC60332-1
Halogen-free	yes
Low smoke	yes

Environmental conditions	
Temperature range	0 – 60 °C

Electrical characteristics	
NVP value	- %
Conductor resistance DC	185 Ω/km
Loop resistance	370 Ω/km
Resistance unbalance	5 %
Insulation resistance	10 MΩ
Contact resistance	30 mΩ

Transmission characteristics	
Bandwidth	250MHz

Standards, approvals, certifications	
Connector	IEC 60603-7-5

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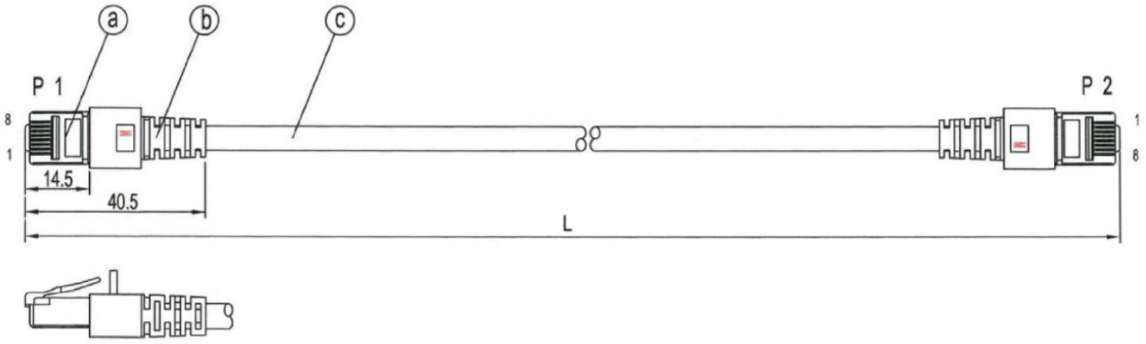
Available variants

Article no.	Title	Length
K5516.0,15	RJ45 Patch cable S/FTP, Cat.6, LSZH, 0.15m, orange	0.15 m
K5516.0,25	RJ45 Patch cable S/FTP, Cat.6, LSZH, 0.25m, orange	0.25 m
K5516.0,5	RJ45 Patch cable S/FTP, Cat.6, LSZH, 0.5m, orange	0.5 m
K5516.1	RJ45 Patch cable S/FTP, Cat.6, LSZH, 1m, orange	1.0 m
K5516.1,5	RJ45 Patch cable S/FTP, Cat.6, LSZH, 1.5m, orange	1.5 m
K5516.2	RJ45 Patch cable S/FTP, Cat.6, LSZH, 2m, orange	2.0 m
K5516.3	RJ45 Patch cable S/FTP, Cat.6, LSZH, 3m, orange	3.0 m
K5516.5	RJ45 Patch cable S/FTP, Cat.6, LSZH, 5m, orange	5.0 m
K5516.7,5	RJ45 Patch cable S/FTP, Cat.6, LSZH, 7.5m, orange	7.5 m
K5516.10	RJ45 Patch cable S/FTP, Cat.6, LSZH, 10m, orange	10.0 m
K5516.15	RJ45 Patch cable S/FTP, Cat.6, LSZH, 15m, orange	15.0 m
K5516.20	RJ45 Patch cable S/FTP, Cat.6, LSZH, 20m, orange	20.0 m
K5516.25	RJ45 Patch cable S/FTP, Cat.6, LSZH, 25m, orange	25.0 m
K5516.30	RJ45 Patch cable S/FTP, Cat.6, LSZH, 30m, orange	30.0 m
K5516.40	RJ45 Patch cable S/FTP, Cat.6, LSZH, 40m, orange	40.0 m
K5516.50	RJ45 Patch cable S/FTP, Cat.6, LSZH, 50m, orange	50.0 m

Technical drawings



similar product

K5521.1	RJ45 Patch cable S/FTP, Cat.6, LSZH, violet
K5519.1	RJ45 Patch cable S/FTP, Cat.6, LSZH, magenta
K5518.1	RJ45 Patch cable S/FTP, Cat.6, LSZH, white
K5517.1	RJ45 Patch cable S/FTP, Cat.6, LSZH, brown
K5514.1	RJ45 Patch cable S/FTP, Cat.6, LSZH, green
K5513.1	RJ45 Patch cable S/FTP, Cat.6, LSZH, blue

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similar product	
K5515.1	RJ45 Patch cable S/FTP, Cat.6, LSZH, black
K5512.1	RJ45 Patch cable S/FTP, Cat.6, LSZH, red
K5511.1	RJ45 Patch cable S/FTP, Cat.6, LSZH, yellow
K5510.1	RJ45 Patch cable S/FTP, Cat.6, LSZH, grey

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