DATASHEET

RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, grey

Cat.6A | 10 Gbit
500 MHz | 100% CU

Description

The shielded Cat.6A RJ45 patch cable with **component certification** from the GHMT ensures excellent performance for 10 Gigabit Ethernet applications. The **TPE** outer sheath makes the cable **highly flexible** and thus easier to handle. The moulded grommet captivates with its **slim design** and thus simplifies the insertion process in cramped conditions.

Very flexible TPE/LSZH outer sheath superflex
Cross section 4 x 2 x AWG26 / 7
Moulded grommet, slim design
Length imprint on the boot

General data	
Category	6A (IEC)
Type of connector connection 1	RJ45 8(8)
Type of connector connection 2	RJ45 8(8)
Connector type	RJ45 Standard blue
Contacts	50 µ" gold plated
Pin assignment	1:1
Allocation	acc. TIA/EIA 568B
Type	Shielded
Length imprint	yes
Anti-kink sleeve	moulded
Colour anti-kink sleeve	grey
Locking lever	True

Mechanical characteristics	
Mating cycles	≥750
Bending radius	>32,5 mm

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Mechanical characteristics	
Conductive shield	360° shield contact

Cable construction	
Raw cable	Cat.7
Cable structure	S/FTP
Cable construction	4x2
AWG-size/strands per core	26/7
Conductor Material	Copper

Cable sheath	
Silicone-free	yes
Jacket material	TPE/LSZH
Colour outer sheath	grey
Printing	Cat.6A Patchcord SUPERFLEX S/FTP
Outer diameter of the cable	6.5 mm
Flame-retardant	acc. IEC60332-1
Halogen-free	acc. IEC60754-2
Low smoke	acc. IEC61034

Environmental conditions	
Temperature range	-20 – 75 °C

Electrical characteristics	
NVP value	- %
Impedance	100 ±15 Ω
Conductor resistance DC	142 Ω/km
Loop resistance	284 Ω/km
Resistance unbalance	2 %
Insulation resistance	100 MΩ
Contact resistance	30 mΩ
Test voltage	1000 (V DC, 1min) core/core und core/screen
POE class	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt

Transmission characteristics	
Bandwidth	500MHz
Transmission	10Gbit

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Standards, approvals, certifications	
Connector	IEC 60603-7-51

Available variants

Article no.	Title	Length
K5525FGR.0,15	RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 0,15m, grey	0.15 m
K5525FGR.0,25	RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 0,25m, grey	0.25 m
K5525FGR.0,5	RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 0,5m, grey	0.5 m
K5525FGR.1	RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 1m, grey	1 m
K5525FGR.1,5	RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 1,5m, grey	1.5 m
K5525FGR.2	RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 2m, grey	2 m
K5525FGR.3	RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 3m, grey	3 m
K5525FGR.5	RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 5m, grey	5 m
K5525FGR.7,5	RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 7,5m, grey	7.5 m
K5525FGR.10	RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 10m, grey	10 m
K5525FGR.15	RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 15m, grey	15 m
K5525FGR.20	RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 20m, grey	20 m
K5525FGR.25	RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 25m, grey	25 m
K5525FGR.30	RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 30m, grey	30 m

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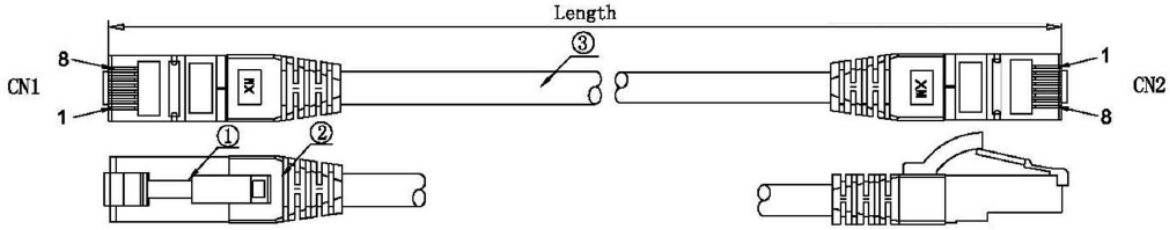
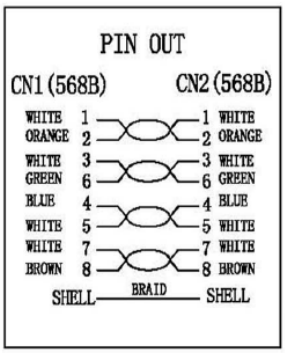
Technical drawings





similar product	
K5525FWS.1	RJ45 Patchkabel S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, white
K5525FSW.1	RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, black
K5525FRT.1	RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, red
K5525FGN.1	RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, green
K5525FGE.1	RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, yellow
K5525FBL.1	RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, blue

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