

# DATASHEET

## RJ45 Patchkabel S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, white



### 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	white
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	white
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

### Transmission characteristics

Bandwidth | 500MHz

### Standards, approvals, certifications

Connector | IEC 60603-7-51

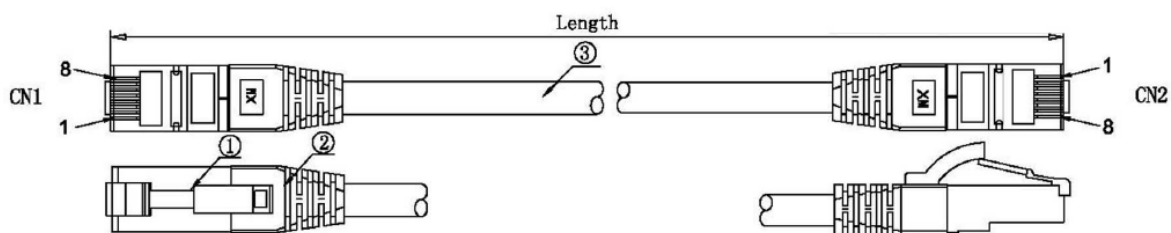
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### Available variants

Article no.	Title	Length
K5525FWS.0,25	RJ45 Patchkabel S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 0.25m, white	0.25 m
K5525FWS.0,5	RJ45 Patchkabel S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 0.5m, white	0.5 m
K5525FWS.1	RJ45 Patchkabel S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 1m, white	1.0 m
K5525FWS.1,5	RJ45 Patchkabel S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 1.5m, white	1.5 m
K5525FWS.2	RJ45 Patchkabel S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 2m, white	2.0 m
K5525FWS.3	RJ45 Patchkabel S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 3m, white	3.0 m
K5525FWS.4	RJ45 Patchkabel S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 4m, white	4.0 m
K5525FWS.5	RJ45 Patchkabel S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 5m, white	5.0 m
K5525FWS.7,5	RJ45 Patchkabel S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 7.5m, white	7.5 m
K5525FWS.10	RJ45 Patchkabel S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 10m, white	10.0 m
K5525FWS.15	RJ45 Patchkabel S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 15m, white	15.0 m
K5525FWS.20	RJ45 Patchkabel S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 20m, white	20.0 m
K5525FWS.25	RJ45 Patchkabel S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 25m, white	25.0 m
K5525FWS.30	RJ45 Patchkabel S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 30m, white	30.0 m

### Technical drawings



PIN OUT	
CN1 (568B)	CN2 (568B)
WHITE 1	1 WHITE
ORANGE 2	2 ORANGE
WHITE 3	3 WHITE
GREEN 6	6 GREEN
BLUE 4	4 BLUE
WHITE 5	5 WHITE
WHITE 7	7 WHITE
BROWN 8	8 BROWN
SHELL	BRAID
	SHELL

### similar product

K5525FSW.1

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### similar product

K5525FRT.1	RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, red
K5525FGR.1	RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, grey
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