

DATASHEET

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



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	plugged in
Colour anti-kink sleeve	red
Locking lever	True

Mechanical characteristics

Mating cycles	2000
Bending radius	>32.5 mm

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Mechanical characteristics

Conductive shield | 360° shield contact

Cable construction

Raw cable	Cat.7
Cable type	S/FTP
Cable construction	4x2
AWG-size	26/7
Conductor Material	Copper

Cable sheath

Silicone-free	yes
Jacket material	TPE/LSZH
Colour outer sheath	red
Printing	Cat.6A Patchcord SUPERFLEX S/FTP
Outer diameter of the cable	6.5 mm
Halogen-free	yes
Low smoke	acc. IEC61034

Environmental conditions

Temperature range | -20 – 75 °C

Electrical characteristics

NVP value	- %
Impedance	100 ±25 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
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

Cabling Standard	ISO/IEC 11801;ANSI/TIA-568-C.2;EN50173
Connector	IEC 60603-7-51

Available variants

Article no.	Title	Length	Length tolerance
K5525FRT.0,15	RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 0,15m, red	0.15 m	±5 %
K5525FRT.0,25	RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 0,25m, red	0.25 m	±5 %
K5525FRT.0,5	RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 0,5m, red	0.5 m	±5 %
K5525FRT.1	RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 1m, red	1.0 m	±5 %
K5525FRT.1,5	RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 1,5m, red	1.5 m	±5 %
K5525FRT.2	RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 2m, red	2.0 m	±5 %
K5525FRT.3	RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 3m, red	3.0 m	±5 %
K5525FRT.5	RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 5m, red	5.0 m	±5 %
K5525FRT.7,5	RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 7,5m, red	7.5 m	±5 %
K5525FRT.10	RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 10m, red	10.0 m	±5 %
K5525FRT.15	RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 15m, red	15.0 m	±5 %
K5525FRT.20	RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 20m, red	20.0 m	±5 %
K5525FRT.25	RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 25m, red	25.0 m	±5 %
K5525FRT.30	RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 30m, red	30.0 m	±5 %

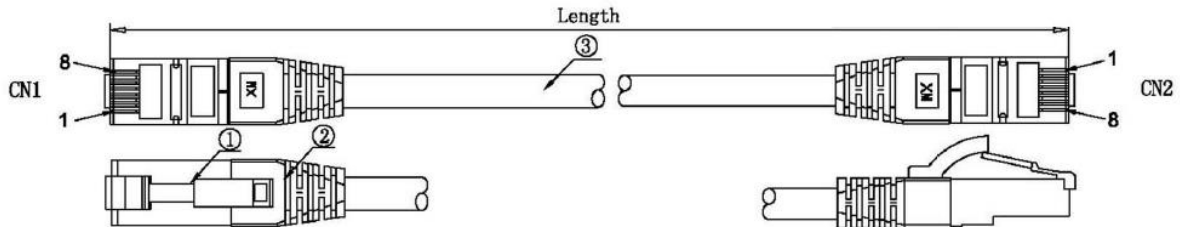
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Technical drawings



Art No	Color
K5525FGR.X	GREY
K5525FSW.X	BLACK
K5525FBL.X	BLUE
K5525FGE.X	YELLOW
K5525FRT.X	RED
K5525FGN.X	GREEN

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

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
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

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