## 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
Туре	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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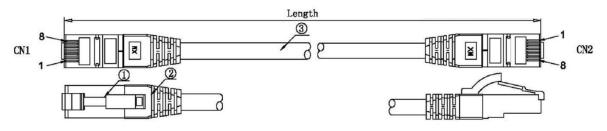
Cable construction         Raw cable       Cat.7         Cable structure       S/FTP         Cable construction       4x2         AWG-size/strands per core       26/7         Conductor Material       Copper         Cable sheath         Silicone-free       yes         Jacket material       TPP/LSZH         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         Transmission characteristics       30 mQ         Transmission characteristics       1000 (V DC, 1min) core/core u	Mechanical characteristics	
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           Trest voltage         1000 (V DC, 1min) core/core und core/screen           Transmission char	Conductive shield	360° shield contact
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           Environmental conditions           Electrical characteristics           NVP value         -           mpedance         100 ±15 Ω           Conductor resistance DC         142 Ω/km           coop resistance         284 Ω/km           Resistance unbalance         2 %           nsulation resistance         100 MΩ           Contact resistance         30 mΩ           Test voltage         1000 (V DC, 1min) core/core und core/screen           Transmission characteristics           Bandwidth         500MHz <th>Cable construction</th> <th></th>	Cable construction	
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           Transmission characteristics         Bandwidth           Standards, approvals, certifications	Raw cable	Cat.7
AWG-size/strands per core Conductor Material Copper  Cable sheath Silicone-free Jacket material Colour outer sheath White Printing Cat.6A Patchcord SUPERFLEX S/FTP Outer diameter of the cable Flame-retardant Halogen-free Low smoke Cac. IEC60332-1 Low smoke Cac. IEC60754-2 Low smoke Cac. IEC61034  Environmental conditions Femperature range -20 – 75 °C  Electrical characteristics NVP value - mpedance Conductor resistance DC 142 Ω/km Cac. IEC61034  Low free Resistance unbalance 100 ±15 Ω Conductor resistance Cac. IEC61034  Low free Resistance unbalance 100 ±15 Ω Conductor resistance 1	Cable structure	S/FTP
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         Femperature range       -20 - 75 °C         Electrical characteristics         NVP value       -         mpedance       100 ±15 Ω         Conductor resistance DC       142 Ω/km         Loop resistance       284 Ω/km         Resistance unbalance       2 %         nsulation resistance       100 MΩ         Contact resistance       30 mΩ         Contact resistance       30 mΩ         Fest voltage       1000 (V DC, 1min) core/core und core/screen         Fransmission characteristics       Sandwidth         Standards, approvals, certifications	Cable construction	4x2
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  Femperature range  -20 - 75 °C  Electrical characteristics  NVP value	AWG-size/strands per core	26/7
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  Femperature range -20 - 75 °C  Electrical characteristics  NVP value -mpedance 100 ±15 Ω  Conductor resistance DC 142 Ω/km  Resistance unbalance 2 %  resistance unbalance 2 %  resultation resistance 100 MΩ  Contact resistance 100 (V DC, 1min) core/core und core/screen  Transmission characteristics  Bandwidth 500MHz  Standards, approvals, certifications	Conductor Material	Copper
Jacket material  Colour outer sheath  Printing  Cat.6A Patchcord SUPERFLEX S/FTP  Outer diameter of the cable  Flame-retardant  Halogen-free  Low smoke  Environmental conditions  Femperature range  -20 - 75 °C  Electrical characteristics  NVP value  -mpedance  Conductor resistance DC  Loop resistance  Pesistance unbalance  Resistance unbalance  Contact resistance  Tontact resistance  Fest voltage  Transmission characteristics  Standards, approvals, certifications	Cable sheath	
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         Femperature range       -20 - 75 °C         Electrical characteristics         NVP value       -         Impedance       100 ±15 Ω         Conductor resistance DC       142 Ω/km         Coop resistance       284 Ω/km         Resistance unbalance       2 %         Insulation resistance       100 MΩ         Contact resistance       30 mΩ         Fest voltage       1000 (V DC, 1min) core/core und core/screen         Fransmission characteristics       Bandwidth         Standards, approvals, certifications	Silicone-free	yes
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         Femperature range       -20 - 75 °C         Electrical characteristics         NVP value       -         mpedance       100 ±15 Ω         Conductor resistance DC       142 Ω/km         coop 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         Fransmission characteristics       Sandwidth         Standards, approvals, certifications	Jacket material	TPE/LSZH
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       -         mpedance       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         Fest voltage       1000 (V DC, 1min) core/core und core/screen         Transmission characteristics       3andwidth         Standards, approvals, certifications	Colour outer sheath	white
Flame-retardant Halogen-free Low smoke acc. IEC60332-1 acc. IEC60754-2 acc. IEC61034  Environmental conditions Femperature range -20 – 75 °C  Electrical characteristics NVP value - mpedance Conductor resistance DC 142 Ω/km 284 Ω/km Resistance unbalance 2 % nsulation resistance Contact resistance 100 MΩ Contact resistance 30 mΩ Fest voltage  Transmission characteristics Bandwidth  500MHz  Standards, approvals, certifications	Printing	Cat.6A Patchcord SUPERFLEX S/FTP
Halogen-free Low smoke acc. IEC60754-2 acc. IEC61034  Environmental conditions Temperature range -20 – 75 °C  Electrical characteristics NVP value mpedance 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, 1 min) core/core und core/screen	Outer diameter of the cable	6.5 mm
Environmental conditions Temperature range  -20 - 75 °C  Electrical characteristics  NVP value  Impedance  Conductor resistance DC  Coop resistance  Resistance unbalance  Insulation resistance  Contact resistance  Transmission characteristics  Standards, approvals, certifications	Flame-retardant	acc. IEC60332-1
Environmental conditions Temperature range  -20 – 75 °C  Electrical characteristics  NVP value	Halogen-free	acc. IEC60754-2
Fleetrical characteristics         NVP value       -         mpedance $100 \pm 15 \Omega$ Conductor resistance DC $142 \Omega / \text{km}$ Loop resistance $284 \Omega / \text{km}$ Resistance unbalance $2 \%$ nsulation resistance $100 \text{ M}\Omega$ Contact resistance $30 \text{ m}\Omega$ Test voltage $1000 \text{ (V DC, 1min) core/core und core/screen}         Transmission characteristics       Sandwidth         Standards, approvals, certifications   $	Low smoke	acc. IEC61034
Electrical characteristics         NVP value       -         Impedance $100 \pm 15 \Omega$ Conductor resistance DC $142 \Omega/km$ Loop resistance $284 \Omega/km$ Resistance unbalance $2 \%$ Insulation resistance $100 M\Omega$ Contact resistance $30 m\Omega$ Test voltage $1000 (V DC, 1 min) core/core und core/screen$ Transmission characteristics       Sandwidth         Standards, approvals, certifications	Environmental conditions	
NVP value       -         mpedance $100 \pm 15 \Omega$ Conductor resistance DC $142 \Omega$ /km         Loop resistance $284 \Omega$ /km         Resistance unbalance $2 \%$ nsulation resistance $100 M\Omega$ Contact resistance $30 m\Omega$ Test voltage $1000 (V DC, 1 min) core/core und core/screen$ Transmission characteristics       Sandwidth         Standards, approvals, certifications	Femperature range	-20 – 75 °C
NVP value       -         mpedance $100 \pm 15 \Omega$ Conductor resistance DC $142 \Omega$ /km         Loop resistance $284 \Omega$ /km         Resistance unbalance $2 \%$ nsulation resistance $100 M\Omega$ Contact resistance $30 m\Omega$ Test voltage $1000 (V DC, 1 min) core/core und core/screen$ Transmission characteristics       Sandwidth         Standards, approvals, certifications		
Impedance $100 \pm 15 \Omega$ Conductor resistance DC $142 \Omega / \text{km}$ Loop resistance $284 \Omega / \text{km}$ Resistance unbalance $2 \%$ Insulation resistance $100 \text{ M}\Omega$ Contact resistance $30 \text{ m}\Omega$ Test voltage $1000 \text{ (V DC, 1min) core/core und core/screen}$ Fransmission characteristics $500 \text{MHz}$ Standards, approvals, certifications	Electrical characteristics	
Conductor resistance DC $142 \Omega/km$ Loop resistance $284 \Omega/km$ Resistance unbalance $2 \%$ Insulation resistance $100 M\Omega$ Contact resistance $30 m\Omega$ Test voltage $1000 (V DC, 1min) core/core und core/screen$ Transmission characteristics $30 m\Omega$ Bandwidth $500 MHz$	NVP value	-
Loop resistance $284 \Omega/km$ Resistance unbalance $2 \%$ Insulation resistance $100 M\Omega$ Contact resistance $30 m\Omega$ Test voltage $1000 (V DC, 1min) core/core und core/screen$ Transmission characteristics $30 m\Omega$ Bandwidth $500 MHz$ Standards, approvals, certifications	mpedance	100 ±15 Ω
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	Conductor resistance DC	142 Ω/km
Insulation resistance $100 \text{ M}\Omega$ Contact resistance $30 \text{ m}\Omega$ Test voltage $1000 \text{ (V DC, 1min) core/core und core/screen}$ Transmission characteristics       Sandwidth         Standards, approvals, certifications	Loop resistance	284 Ω/km
Test voltage  Transmission characteristics  Bandwidth  Standards, approvals, certifications	Resistance unbalance	2 %
Test voltage 1000 (V DC, 1min) core/core und core/screen  Transmission characteristics  Bandwidth 500MHz  Standards, approvals, certifications	nsulation resistance	100 ΜΩ
Transmission characteristics Bandwidth 500MHz Standards, approvals, certifications	Contact resistance	30 mΩ
Standards, approvals, certifications	Fest voltage	1000 (V DC, 1min) core/core und core/screen
Standards, approvals, certifications	Fransmission characteristics	
**	3andwidth	500MHz
Connector IEC 60603-7-51	Standards, approvals, certifications	
	Connector	IEC 60603-7-51

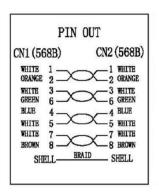
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## RJ45 Patchkabel S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, white

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**





### similar product

K5525FSW.1

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

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