

## The new standard: CAT 8.1 network cable

### GHMT certified and with sustainable packaging solution

The certified network cables of the latest generation from Goobay enable high bandwidths of up to 2,000 MHz and thus guarantee fast, efficient and qualitative data transmission. In addition, the cables are equipped with S/FTP double shielding and are suitable for Power over Ethernet (PoE, PoE+, UPoE, 4PPoE) & HDBaseT. The CAT 8.1 cables are of course also available in different colours and in various lengths.



#### GHMT certification for a high quality standard

The transmission properties of the patch cables (0.5 - 3.0 metres) were tested in the 2-connector channel over a predefined transmission distance of 24 m in accordance with the specifications for Class I up to 2 GHz according to ANSI/TIA-568.2-D. In our shop you will also find GHMT-certified keystone modules and installation cables (up to 100 m) for a perfectly functioning CAT 8.1 cabling route.



#### eco-friendly packaging

#### No more plastic packaging

From now on, we are doing away with unnecessary plastic waste in our CAT 8.1 patch cable range. Not only have we dispensed with polybags, but we have also swapped conventional plastic cable ties for sturdy paper cable ties.



RJ45 Network Cable Category 8.1

copper conductor, LSZH halogen-free cable sheath

- The LAN cable supports 25GBase-T and 40GBase-T Ethernet networks (40-gigabit capable) and is backwards compatible with 10BASE-T, 100BASE-TX and 1000BASE-T.
- With a transmission bandwidth of up to 2,000 MHz, the Ethernet cable has 4 times the bandwidth of a CAT 6A cable.
- S/FTP overall shield: aluminium foil shield for individual wire pairs (PiMF) and aluminium braid shield for the cable sheath
- Assembled on both ends with RJ45 connectors (8P8C) with 50 µm gold-plated contact surfaces and latch protection.
- CAT 8 LAN cable is suitable for Power over Ethernet (PoE, PoE+, UPoE, 4PPoE) and HDBaseT.
- Low-smoke and halogen-free LSZH cable sheath for increased safety



\* GHMT-certified for a transmission distance of 1x 24 m installation cable plus 2x 3 m patch cord in a 2-connector channel (8.1 Standard Class I with an operating frequency of up to 2 GHz)

Technical specifications

Cable	
Specification	CAT 8.1
Cable type	CAT 8.1 raw cable
Inner conductor material	CU (copper)
AWG	26/7 (stranded)
Shielding class	S/FTP (PiMF)
Number of shieldings	2 x
Type 1, shielding	foil (alu) PiMF
Type 2, shielding	braid (aluminium) overall shield
Material cable sheath	LSZH
Cable sheath diameter (approx.)	6.2 mm
LSZH-compliant	yes
Kink protection	both sides
Connections	
Connection, type	RJ45 male (8P8C)
Connection, shielding	yes
Connection 2, type	RJ45 male (8P8C)
Connection, contact material	gold-plated 50µm
Connection, housing material	PVC
Latch protection	both sides
Contacting	EIA/TIA-568B

GHMT-certified CAT 8.1 S/FTP Patch Cord \*

- GHMT-certified for a transmission distance of 1x 24 m installation cable plus 2x 3 m patch cord in a 2-connector channel (8.1 Standard Class I with an operating frequency of up to 2 GHz)

Black			Grey			White			
0.25 m	61091	Cable Tag	0.25 m	61113	Cable Tag	0.25 m	61102	Cable Tag	RRP 8.49 €
0.50 m	61092	Cable Tag	0.50 m	61114	Cable Tag	0.50 m	61103	Cable Tag	RRP 8.99 €
1.00 m	61093	Cable Tag	1.00 m	61115	Cable Tag	1.00 m	61104	Cable Tag	RRP 9.99 €
2.00 m	61094	Cable Tag	2.00 m	61116	Cable Tag	2.00 m	61105	Cable Tag	RRP 12.99 €
3.00 m	61095	Cable Tag	3.00 m	61117	Cable Tag	3.00 m	61106	Cable Tag	RRP 15.99 €



CAT 8.1 S/FTP Patch Cord

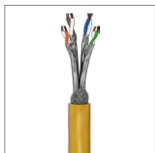
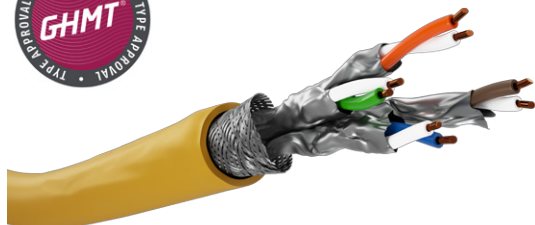
Black			Grey			White			
5.00 m	61096	Cable Tag	5.00 m	61118	Cable Tag	5.00 m	61107	Cable Tag	RRP 19.99 €



RJ45 Patch Cord with CAT 8.1 S/FTP Raw Cable

Black			Grey			White			
7.50 m	61097	Cable Tag	7.50 m	61119	Cable Tag	7.50 m	61108	Cable Tag	RRP 22.99 €
10.00 m	61098	Cable Tag	10.00 m	61120	Cable Tag	10.00 m	61109	Cable Tag	RRP 24.99 €
15.00 m	61099	Cable Tag	15.00 m	61121	Cable Tag	15.00 m	61110	Cable Tag	RRP 29.99 €
20.00 m	61100	Cable Tag	20.00 m	61124	Cable Tag	20.00 m	61111	Cable Tag	RRP 34.99 €





#### Signal transmission

max. bandwidth	2000 MHz
Impedance	100 Ω

#### Cable

Specification	CAT 8.1
Cable type	CAT 8.1 raw cable
Inner conductor material	CU (copper)
AWG	22/1 (solid)
Shielding class	S/FTP (PiMF)
Number of shieldings	2 x
Type 1, shielding	foil (aluminium) PiMF
Type 2, shielding	braid (aluminium) overall shield
Material cable sheath	LSZH
Cable sheath diameter (approx.)	8.3 mm
LSZH-compliant	yes
Fire class (CPR)	Dca

## Goobay

### GHMT-certified CAT 8.1, S/FTP (PiMF), Network Cable, Yellow

copper conductor (CU), AWG 22/1 (solid), halogen-free (LSZH)

- LAN cable for setting up a CAT 8.1 channel
- GHMT-certified for a transmission distance of 1x 24 m installation cable plus 2x 3 m patch cord in a 2-connector channel (8.1 Standard Class I with an operating frequency of up to 2 GHz) \*
- Suitable for 25GBase-T and 40GBase-T Ethernet networks (40-gigabit capable) and backward compatible with 10BASE-T, 100BASE-TX, 1000BASE-T
- With a transmission bandwidth of up to 2,000 MHz, the Ethernet cable has 4 times the bandwidth of CAT 6A cables
- Equipped with wire pairs with an aluminium foil screen (PiMF) and an S/FTP overall screen made of aluminium braid for a loss-free signal transmission
- Low-smoke and halogen-free network cable for structured indoor installation
- The network cable complies with the Construction Products Regulation (CPR) and the Dca fire protection class.



25.00 m	61126	Cable Reel-spool	<b>RRP</b>	<b>44.99 €</b>
50.00 m	61127	Cable Reel-spool	<b>RRP</b>	<b>89.99 €</b>
100.00 m	61128	Cable Reel-spool	<b>RRP</b>	<b>169.99 €</b>



## Goobay

### Keystone Module RJ45 CAT 8.1, STP, GHMT-certified

15.8 mm wide, crocodile type, for IDC connection (toolless)

- Ideally suited as a connector for setting up a CAT 8.1 channel
- GHMT-certified for a transmission distance of 1x 24 m installation cable plus 2x 3 m patch cord in a 2-connector channel (8.1 Standard Class I with an operating frequency of up to 2 GHz) \*
- For round cables with 5.0-8.5 mm diameter and a solid conductor (AWG 22/1 - 26/1) or stranded conductor (AWG 22/7 - 26/7)
- For quick, tool-free mounting in patch panels, network sockets or housings
- The RJ45 coupler is suitable for Power over Ethernet (PoE++, 4PPoE, Ultra PoE) according to IEEE802.3bt and supports 25GBase-T and 40GBase-T (downward compatible).
- The RJ45 Keystone is suitable for top-of-rack and middle-of-row architectures in data centres.
- The 3 pin gold-plated contacts and STP screen of the zinc die-cast housing ensure durability and perfect signal transmission.



61129	Bulk	<b>RRP</b>	<b>8.99 €</b>
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Goobay

## CAT 8.1 STP-Shielded, Field-installable RJ45 Connector

for 5.0-8.5 mm cable diameter, IDC connector (toolless)



61130 Bulk

**RRP**

**10.99 €**



- Network connector for field assembly, suitable for round cables with solid conductors (AWG 22/1 - 26/1) and stranded conductors (AWG 22/7 - 26/7)
- For quick, tool-free assembly on network cables by simply pressing the connector housing together
- The CAT 8.1 connector supports Power over Ethernet (PoE++, 4PPoE, Ultra PoE) according to IEEE802.3bt as well as 25GBase-T and 40GBase-T (downward compatible).
- For a transmission distance of 24 m as a permanent link or 30 m as a channel link (8.1 Standard Class I with an operating frequency of up to 2 GHz)
- The RJ45 connector is suitable for terminating a CAT 8.1 installation cable to create a custom-sized network cable.
- 3 pin gold-plated contacts and the STP screen ensure durability and a perfect signal transmission.
- The RJ45 connectors are TIA 568A/B colour-coded.