



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 |

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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 | RRP | 44.99 € |
| 50.00 m | 61127 | Cable Reel-spool | RRP | 89.99 € |
| 100.00 m | 61128 | Cable Reel-spool | RRP | 169.99 € |



Goobay

Keystone Module RJ45 CAT 8.1, STP, GHMT-certified

15.8 mm wide, 180° cable outlet, 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 | RRP | 8.99 € |
|-------|------|------------|---------------|



Goobay

CAT 8.1 STP-Shielded RJ45 Connector for Field Assembly

for 5.0-8.5 mm cable diameter, with screw cap, tool-free IDC mounting



- 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 µin gold-plated contacts and the STP screen ensure durability and a perfect signal transmission.
- The RJ45 connector is TIA 568A/B colour-coded



61130 Bulk

RRP

9.99 €

