

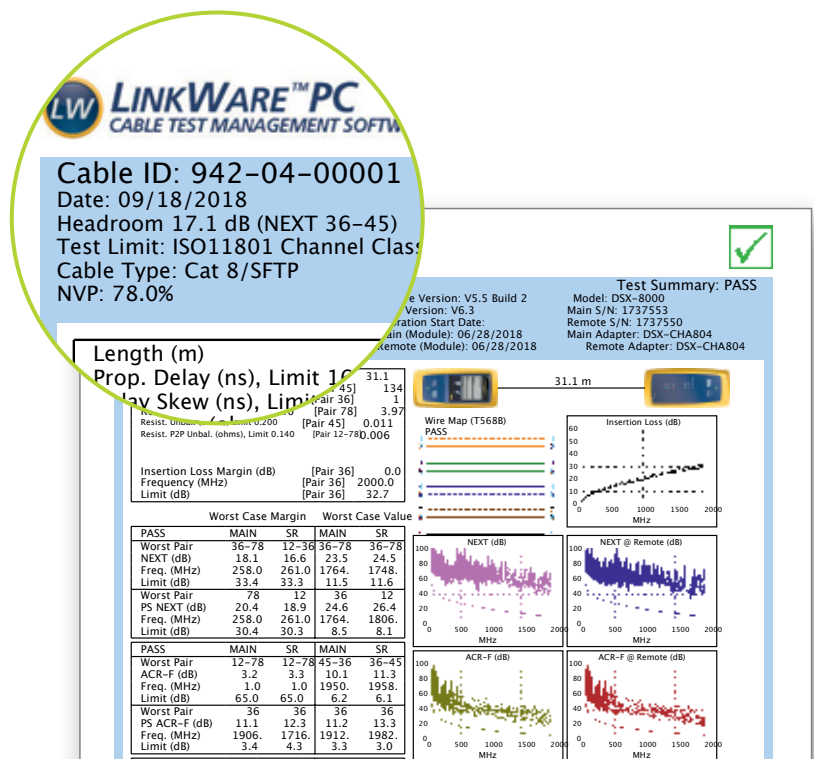


CAT8 cable: The latest generation of network cables

Ever faster transmission rates and the increasing use of “intelligent” mobile devices demand ever higher data rates. Fibre optic solutions are more cost-intensive, require the restructuring of all of the components or are difficult to deploy across the board. Put simply: the four-pair, symmetrical CAT8 copper components enable high bandwidths, low cable attenuation and can save costs and space at the ports by combining 10 Gbit/s Base-T links.

Goobay CAT8.1 cables are tested 1:1

Wentronic is one of the first companies to subject all Goobay CAT8.1 cables to a 1:1 test procedure. Each product is tested individually and its own measurement protocol (Fluke DSX-8000 Channel Link) is generated accordingly. The serial numbers on the item and in the measurement protocol are therefore identical and are assigned only once.



Overview: Categories and standardisation bodies

Category 8 cabling components are specified in the USA in ANSI/TIA associations. The ISO/IEC standardisation body has specified two variants of category 8.1 and 8.2, which are valid worldwide. The different components have different link classes and backward compatibility.

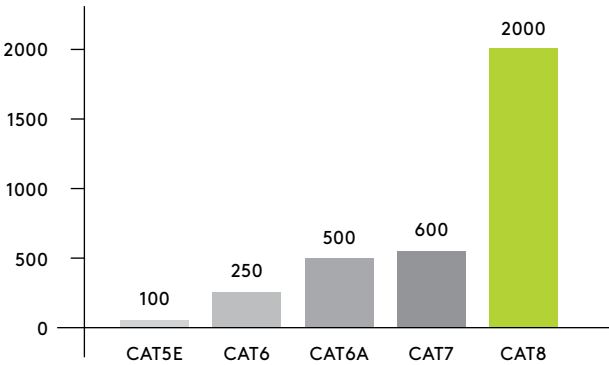
Category	Standardisation body	Link class	Max. frequency	Validity	25/40 GBASE-T	compatible with RJ45	Backward compatibility with...
CAT8	ANSI/TIA	CAT8 link	2 GHz	USA	yes	yes	...categories 6A, 6 and 5E
CAT8.1	ISO/IEC	I		worldwide		no	...categories 7A and 7
CAT8.2		II					

Improved shielding

The twisting of double-shielded copper cables (called twisted pair cables) improves protection against electrical and magnetic interference. In the new CAT8.1 range from Goobay, the wire pairs are shielded against each other with S/FTP, have additional overall braiding and thus offer improved protection.

Higher data transmission

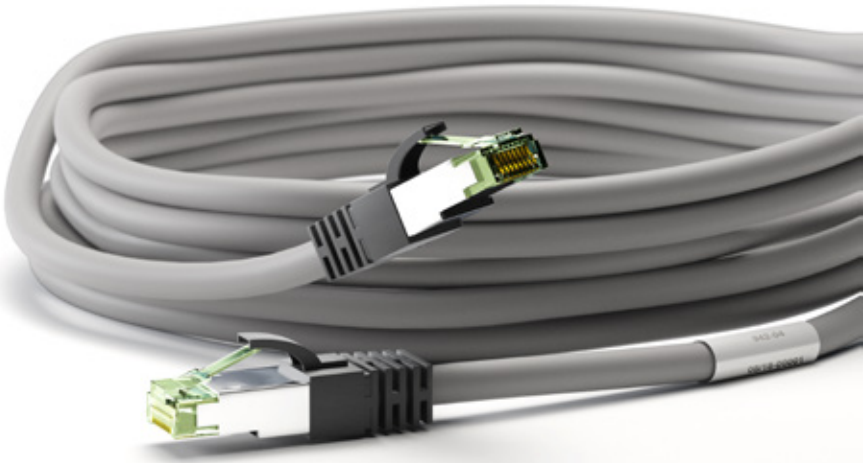
Goobay’s CAT8.1 cables offer up to 2000 MHz for the high bandwidth requirements in data centres and storage networks. The innovative RJ45 connectors with flexible latch and latch protection transmit class G and are backward-compatible.



CAT8 frequency support (Mhz) = 4 times of CAT6A cabling

Length and colour individually selectable

Offer your customers the widest possible choice: The Goobay range includes CAT8.1 cables in four colours (grey, black, white, blue) and six lengths (0.25 m - 5 m).





Goobay

CAT 8.1 patch cable, S/FTP (PiMF)

LSZH halogen-free, CU material

- Appropriate for 25/40G Base-T Ethernet networks (40GB-capable) and downward compatible
- CAT 8 Channel Link 100% tested (attached measurement log + serial no.)
- Max. bandwidth: 2000 MHz / 2 GHz
- New type of RJ45 Cat 8 plug as per industry standard with 50μ gold-plated contact surfaces (PINs)
- Shielded RJ45 plug with flexible latch and latch protection
- Double-shielded LAN/network cable: wire pair shielding: PIMF (pair in metal foil) + overall shielding: mesh
- Length specification on Slimline anti-kink sleeve



GENERAL

Markings	CE
Material	LSZH

SIGNAL TRANSMISSION

max. bandwidth	2000 MHz
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CABLE

Cable length	0.25 m
Specification	CAT 8.1
Cable type	round cable
Inner conductor material	CU (copper)
AWG	24/7 (stranded)
Shielding class	S/FTP (PiMF)
Number of shieldings	2 x
Type 1, shielding	foil (alu) PiMF
Type 2, shielding	braid (alu) overall shield
Material cable sheath	LSZH
Cable sheath diameter (approx.)	8.2 mm
LSZH compliant	yes
Kink protection	both sides
inner conductor, core diameter	0.2

CONNECTIONS

Connection, type	RJ45 industry industry female (8P8C)
Connection, shielding	yes
Connection 2, type	RJ45 industry industry female (8P8C)
Connection, housing material	PVC
Connection, contact material	gold-plated 50μ
Latch protection	both sides
Contacting	EIA/TIA-568B

CABLE LENGTH

	GREY
	Bulk
0.25 m	55134
0.50 m	55135
1.00 m	55136
2.00 m	55137
3.00 m	55138
5.00 m	55139

BLACK

Bulk
66719
66720
66721
66722
66723
66724

WHITE

Bulk
55122
55123
55124
55125
55126
55127

BLUE

Bulk
45657
45658
45659
45660
45661
45662

