

Sept 2018

# CAT 8 Patchcable

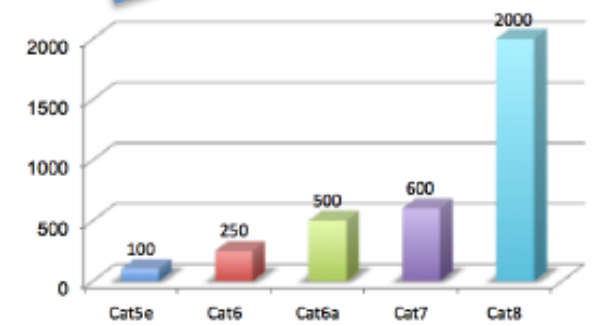
Product Management  
Andreas Conradt

## Cat 8 – The Need for Speed is coming.....

- **It's really fast ... for cost effective 25/40 GBase-T application**
- shielded, balanced copper cables suitable for 25/40 Gigabit Ethernet (40GBASE-T)
- But Cat. 8 ... we have to differentiate here:
- Cat. 8.1 (ISO/IEC) based on Cat. 7A (S/FTP) **with RJ45 connector**
- Cat. 8.2 (ISO/IEC) based on Cat. 7A (S/FTP) with Tera-, or GG45- connector



Cat 8 frequency support (MHz)  
= 4 times of Cat 6A cabling



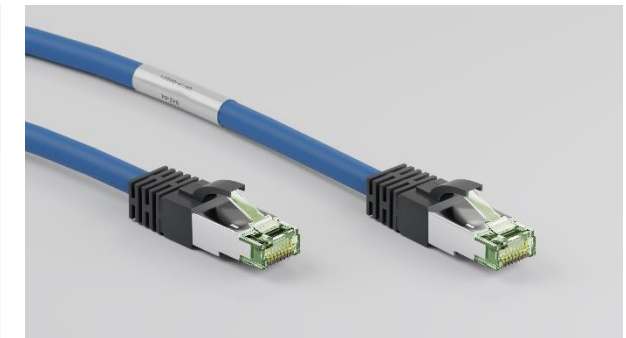
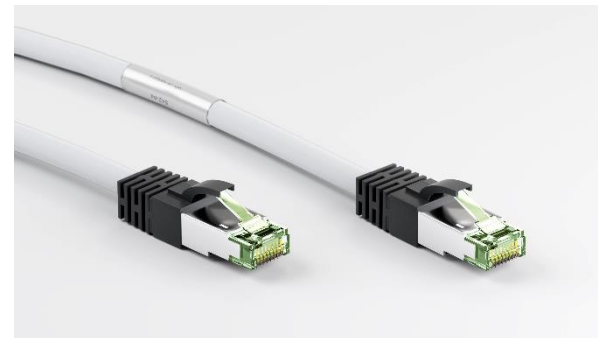
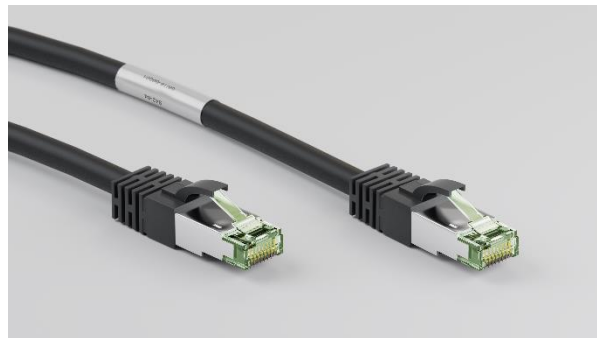
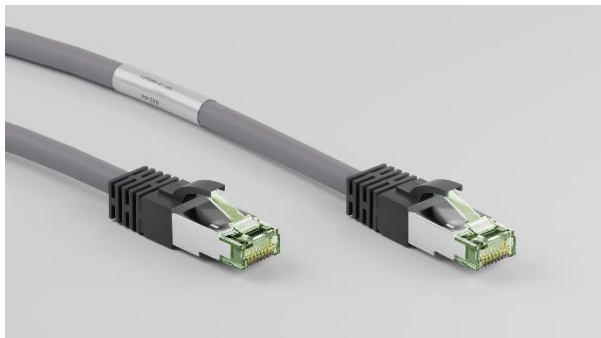
standards							
EI/TIA 568	ISO/IEC 11801	EN 50173	bandwidth	application	distance	cable type	connector type
Cat. 5	Cat. 5	Class D	100 MHz	100Base-TX, SONET, SOH	100 m	UTP or shielded	RJ45
Cat. 5e	Cat. 5e	Class D	100 MHz	1000Base-T			
Cat. 6	Cat. 6	Class E	250 MHz	1000Base-T, 155-MBit-ATM, 622-MBit-ATM			
Cat. 6A	Cat. 6A	Class EA	500 MHz	10GBase-T			
-	Cat. 7	Class F	600 MHz	10GBase-T	30 m	shielded	non-RJ45
-	Cat. 7A	Class FA	1.000 MHz	10GBase-T			
-	Cat. 8	Class G	1.600 - 2.000MHz	25/40GBase-T and 100GBase-T			Class 1: RJ45 Class 2: non-RJ45

## Cat 8 – Wentronic goes with CAT 8.1 RJ45.....

- support 25G/40G Base-T speed up to **25m** with bandwidths of up to 2 GHz (2000MHz)
- CAT 8 Channel Link **100% tested (incl. 1:1 test report + serial-no.)**
- Innovative **industry-rated RJ45 Cat 8 connectors**, downwards compatible
- Fully shielded RJ45 connector with 50 µm gold-plated PINs incl. latch protection
- Cable OD at 8.0mm with **24 AWG S/FTP (PiMF)**; LSZH cable jacket material
- Low dampening, longer cable lengths than 26AWG cable w/o signal degradation or voltage drops for PoE
- Length: 0.25m - 25m, 4 color: grey/black/white/blue available at beginning

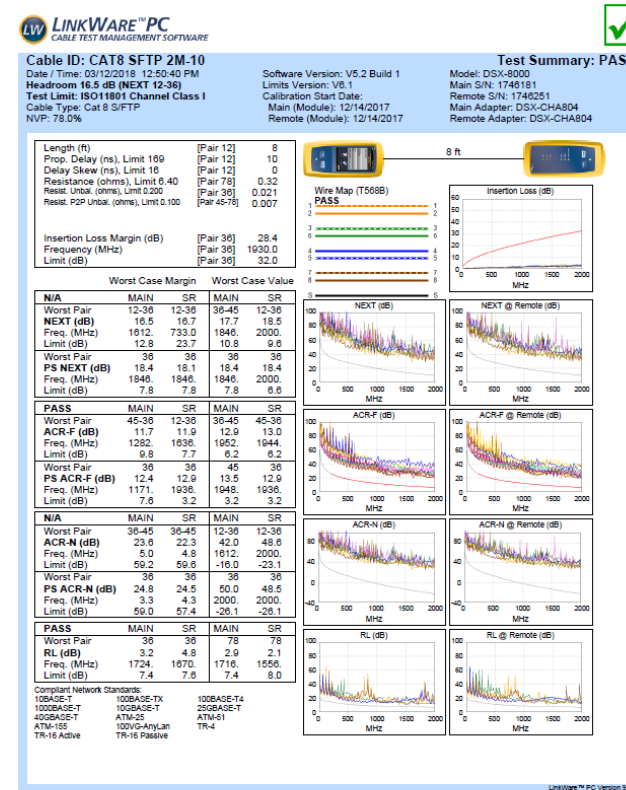
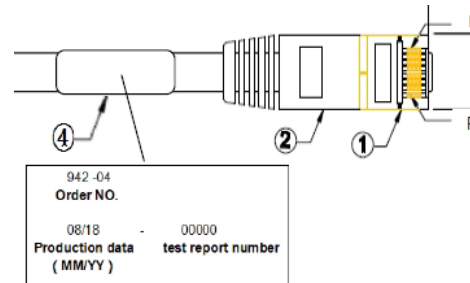
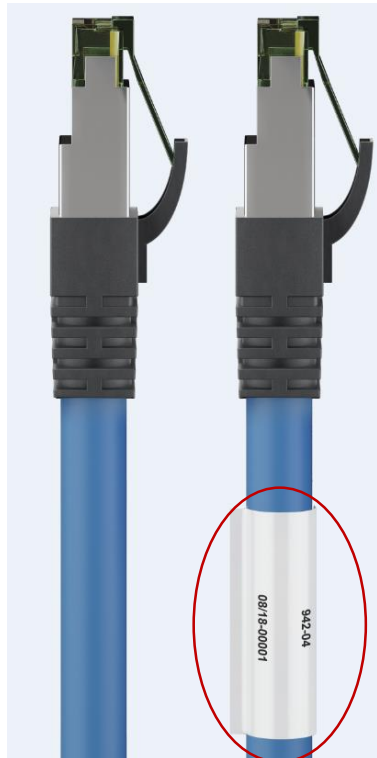


In Stock  
~mid of October 2018



# Cat 8 – Wentronic goes with CAT 8.1 RJ45.....

- CAT 8 Channel Link **100% tested (incl. 1:1 test report + serial-no.)**



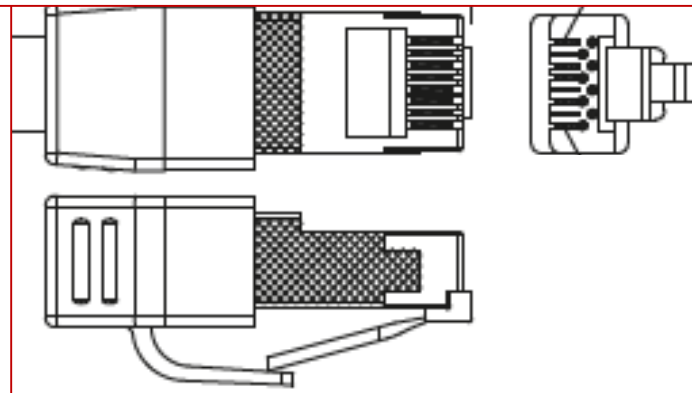
## Cat 8 – Wentronic goes with CAT 8.1 RJ45.....

- Innovative **industry-rated RJ45 Cat 8 connectors, limegreen RJ45 cap**
- Fully shielded RJ45 connector with 50 µm gold-plated PINs incl. latch protection



### Connector Type (Qty. 2)

- Connector Type – Shielded 8P8C (RJ45)
- Gender – Male
- Connector Material – INDUSTRY RATED
- Contact Material – Copper Alloy, Gold Plating – 50µm
- full shielded plug with riveting technology
- Hood Material – Molded PVC



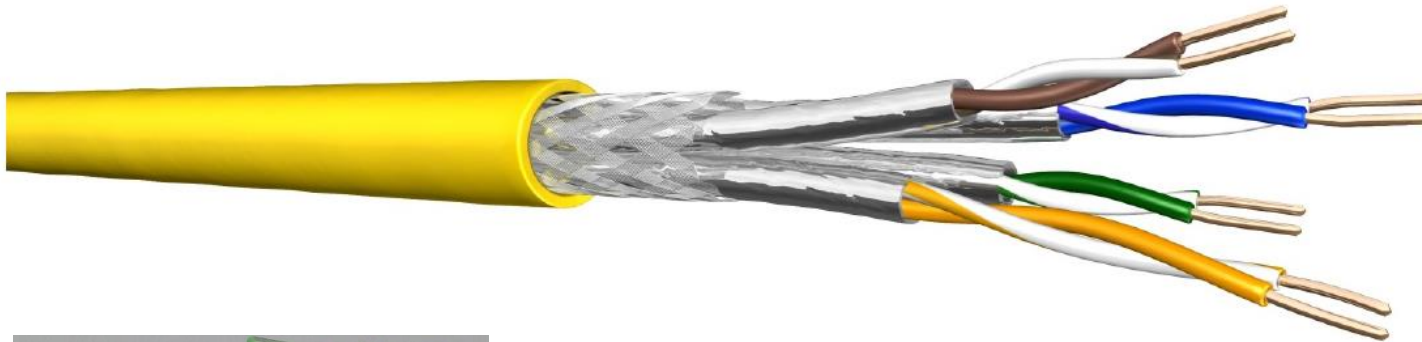
## Cat 8 – Wentronic goes with CAT 8.1 RJ45.....

### Item Overview:

item	No	item	No	item	No	item	No
CAT 8-0025 S/FTP PIMF LSZH GREY 0.25m	55134	CAT 8-0025 S/FTP PIMF LSZH BLACK 0.25m	66719	CAT 8-0025 S/FTP PIMF LSZH BLUE 0.25m	45657	CAT 8-0025 S/FTP PIMF LSZH WHITE 0.25m	55122
CAT 8-0050 S/FTP PIMF LSZH GREY 0.50m	55135	CAT 8-0050 S/FTP PIMF LSZH BLACK 0.50m	66720	CAT 8-0050 S/FTP PIMF LSZH BLUE 0.50m	45658	CAT 8-0050 S/FTP PIMF LSZH WHITE 0.50m	55123
CAT 8-0100 S/FTP PIMF LSZH GREY 1m	55136	CAT 8-0100 S/FTP PIMF LSZH BLACK 1m	66721	CAT 8-0100 S/FTP PIMF LSZH BLUE 1m	45659	CAT 8-0100 S/FTP PIMF LSZH WHITE 1m	55124
CAT 8-0200 S/FTP PIMF LSZH GREY 2m	55137	CAT 8-0200 S/FTP PIMF LSZH BLACK 2m	66722	CAT 8-0200 S/FTP PIMF LSZH BLUE 2m	45660	CAT 8-0200 S/FTP PIMF LSZH WHITE 2m	55125
CAT 8-0300 S/FTP PIMF LSZH GREY 3m	55138	CAT 8-0300 S/FTP PIMF LSZH BLACK 3m	66723	CAT 8-0300 S/FTP PIMF LSZH BLUE 3m	45661	CAT 8-0300 S/FTP PIMF LSZH WHITE 3m	55126
CAT 8-0500 S/FTP PIMF LSZH GREY 5m	55139	CAT 8-0500 S/FTP PIMF LSZH BLACK 5m	66724	CAT 8-0500 S/FTP PIMF LSZH BLUE 5m	45662	CAT 8-0500 S/FTP PIMF LSZH WHITE 5m	55127
CAT 8-0750 S/FTP PIMF LSZH GREY 7.5m	55140	CAT 8-0750 S/FTP PIMF LSZH BLACK 7.5m	66725	CAT 8-0750 S/FTP PIMF LSZH BLUE 7.5m	45663	CAT 8-0750 S/FTP PIMF LSZH WHITE 7.5m	55128
CAT 8-1000 S/FTP PIMF LSZH GREY 10m	55141	CAT 8-1000 S/FTP PIMF LSZH BLACK 10m	66726	CAT 8-1000 S/FTP PIMF LSZH BLUE 10m	45664	CAT 8-1000 S/FTP PIMF LSZH WHITE 10m	55129
CAT 8-1500 S/FTP PIMF LSZH GREY 15m	55142	CAT 8-1500 S/FTP PIMF LSZH BLACK 15m	66727	CAT 8-1500 S/FTP PIMF LSZH BLUE 15m	45665	CAT 8-1500 S/FTP PIMF LSZH WHITE 15m	55130
CAT 8-2000 S/FTP PIMF LSZH GREY 20m	55143	CAT 8-2000 S/FTP PIMF LSZH BLACK 20m	66728	CAT 8-2000 S/FTP PIMF LSZH BLUE 20m	55119	CAT 8-2000 S/FTP PIMF LSZH WHITE 20m	55131
CAT 8-2500 S/FTP PIMF LSZH GREY 25m	55144	CAT 8-2500 S/FTP PIMF LSZH BLACK 25m	66729	CAT 8-2500 S/FTP PIMF LSZH BLUE 25m	55120	CAT 8-2500 S/FTP PIMF LSZH WHITE 25m	55132

## Cat 8 LAN cable on spool

- CAT 8 LAN cable 100m/305m AWG 23 S/FTP
- Fully shielded RJ45 connector with 50 µm gold-plated PINs for self assembling + suitable plier



*still under development*

