



## PIN OUT

## CN1 (568B)

WHITE-ORANGE 1  
ORANGE 2  
WHITE-GREEN 3  
GREEN 6  
BLUE 4  
WHITE-BLUE 5  
WHITE-BROWN 7  
BROWN 8

SHELL

## CN2 (568B)

1 WHITE-ORANGE  
2 ORANGE  
3 WHITE-GREEN  
6 GREEN  
4 BLUE  
5 WHITE-BLUE  
7 WHITE-BROWN  
8 BROWN

SHELL

## NOTE:

- Cat7 raw cable configured with RJ45 plug test by Fluke Channel Test ISO 11801 channel Class Ea up to 500Mhz
- RoHS 3.0 AND REACH compliant
- Electrical test:100% open short & miss wire test;
- OPERATING TEMPERATURE:-20℃ ~ 75℃  
STORAGE TEMPERATURE:-10℃ ~ 60℃
- Print word: CAT6A U/FTP Patch cord with CAT7 RAW Cable 4x2x32AWG/7 TPE-LSZH ISO11801 & EN50173 & ANSI/TIA568.2-D www.Synergy21.de **CE**
- Packing: 1pc/synergy 21 bag+label
- Support PoE per IEEE 802. 3af
- ISO/IEC 11801:2017 ClassF 600Mhz (only refer to Cat7 raw cable)
- EN 50173 ClassF 600Mhz (only refer to Cat7 raw cable)
- ANSI/TIA 568.2-D Cat.7 (only refer to Cat7 raw cable)
- Connectors specification (IEC 60603-7)
- Flame retardant(IEC60332-1-2)
- Low smoke(IEC 61034)
- Halogen free(IEC 60754-1/2)
- Plug Contacts durability:750 cycles min

## MATERIAL LIST

|   |           |                                                                          |   |  |
|---|-----------|--------------------------------------------------------------------------|---|--|
| ③ | CABLE     | CAT.7 U/FTP (32AWG BC*1P+AL-FOIL)*4+DRAIN+ JACKET:TPE-LSZH, OD:3.8±0.2mm | 1 |  |
| ② | Over mold | 48P PVC                                                                  | 2 |  |
| ① | Plug      | RJ45 8P8C Shielded Plug, PIN GOLD PLATED 3u", TRANSPARENT YELLOW         | 2 |  |

| NO. | PARTS NAME | SPECIFICATION STANDARD                | QT' Y      | REMARK |
|-----|------------|---------------------------------------|------------|--------|
| Gao |            | Add the Support PoE per IEEE 802. 3af | 2024-07-10 | A2     |
|     | Hasia      | Add the meter scale                   | 2022-12-26 | A1     |
|     |            | NEW                                   | 2022-05-13 | A0     |
| BY  | CHK        | REVISION RECORD MODIFICATIONS         | DATE       | REV.   |

SYNERGY 21

|              |                                                       |                      |            |
|--------------|-------------------------------------------------------|----------------------|------------|
| CUSTOMER     |                                                       | ITEM NO.             |            |
| PRODUCT NAME | Super slim CAT6A U/FTP Patch cord With CAT7 RAW Cable | manufacture country: | CHINA      |
| DRAWNBY      | CHECKBY                                               | APPOBY               | DATE       |
| SYNERGY21    | SYNERGY21                                             | SYNERGY21            | 2022-05-13 |

|                           |            |
|---------------------------|------------|
| Colour:<br>GREY(RAL 7035) |            |
| Item No.                  | Length(mm) |
| S217300V3                 | 150±10     |
| S217301V3                 | 250±10     |
| S217302V3                 | 500±20     |
| S217303V3                 | 1000±20    |
| S217304V3                 | 1500±30    |
| S217305V3                 | 2000±30    |
| S217306V3                 | 3000±50    |
| S217307V3                 | 5000±100   |
| S217308V3                 | 7500±150   |
| S217309V3                 | 10000±300  |

|                               |            |
|-------------------------------|------------|
| Colour:<br>BLUE(PANTONE 647C) |            |
| Item No.                      | Length(mm) |
| S217330V3                     | 150±10     |
| S217331V3                     | 250±10     |
| S217332V3                     | 500±20     |
| S217333V3                     | 1000±20    |
| S217334V3                     | 1500±30    |
| S217335V3                     | 2000±30    |
| S217336V3                     | 3000±50    |
| S217337V3                     | 5000±100   |
| S217338V3                     | 7500±150   |
| S217339V3                     | 10000±300  |

|                                   |            |
|-----------------------------------|------------|
| Colour:<br>Orange (Pantone 1575C) |            |
| Item No.                          | Length(mm) |
| S217360V3                         | 150±10     |
| S217361V3                         | 250±10     |
| S217362V3                         | 500±20     |
| S217363V3                         | 1000±20    |
| S217364V3                         | 1500±30    |
| S217365V3                         | 2000±30    |
| S217366V3                         | 3000±50    |
| S217367V3                         | 5000±100   |
| S217368V3                         | 7500±150   |
| S217369V3                         | 10000±300  |

|                                  |            |
|----------------------------------|------------|
| Colour:<br>purple(Pantone 2725C) |            |
| Item No.                         | Length(mm) |
| S217390V3                        | 150±10     |
| S217391V3                        | 250±10     |
| S217392V3                        | 500±20     |
| S217393V3                        | 1000±20    |
| S217394V3                        | 1500±30    |
| S217395V3                        | 2000±30    |
| S217396V3                        | 3000±50    |
| S217397V3                        | 5000±100   |
| S217398V3                        | 7500±150   |
| S217399V3                        | 10000±300  |

|                                    |            |
|------------------------------------|------------|
| Colour:<br>BLACK(PANTONE BLACK 3C) |            |
| Item No.                           | Length(mm) |
| S217310V3                          | 150±10     |
| S217311V3                          | 250±10     |
| S217312V3                          | 500±20     |
| S217313V3                          | 1000±20    |
| S217314V3                          | 1500±30    |
| S217315V3                          | 2000±30    |
| S217316V3                          | 3000±50    |
| S217317V3                          | 5000±100   |
| S217318V3                          | 7500±150   |
| S217319V3                          | 10000±300  |

|                              |            |
|------------------------------|------------|
| Colour:<br>RED(PANTONE 199C) |            |
| Item No.                     | Length(mm) |
| S217340V3                    | 150±10     |
| S217341V3                    | 250±10     |
| S217342V3                    | 500±20     |
| S217343V3                    | 1000±20    |
| S217344V3                    | 1500±30    |
| S217345V3                    | 2000±30    |
| S217346V3                    | 3000±50    |
| S217347V3                    | 5000±100   |
| S217348V3                    | 7500±150   |
| S217349V3                    | 10000±300  |

|                                 |            |
|---------------------------------|------------|
| Colour:<br>YELLOW(PANTONE 135C) |            |
| Item No.                        | Length(mm) |
| S217370V3                       | 150±10     |
| S217371V3                       | 250±10     |
| S217372V3                       | 500±20     |
| S217373V3                       | 1000±20    |
| S217374V3                       | 1500±30    |
| S217375V3                       | 2000±30    |
| S217376V3                       | 3000±50    |
| S217377V3                       | 5000±100   |
| S217378V3                       | 7500±150   |
| S217379V3                       | 10000±300  |

|                            |            |
|----------------------------|------------|
| Colour:<br>WHITE(RAL 9003) |            |
| Item No.                   | Length(mm) |
| S217320V3                  | 150±10     |
| S217321V3                  | 250±10     |
| S217322V3                  | 500±20     |
| S217323V3                  | 1000±20    |
| S217324V3                  | 1500±30    |
| S217325V3                  | 2000±30    |
| S217326V3                  | 3000±50    |
| S217327V3                  | 5000±100   |
| S217328V3                  | 7500±150   |
| S217329V3                  | 10000±300  |

|                                 |            |
|---------------------------------|------------|
| Colour:<br>GREEN(PANTONE 3278C) |            |
| Item No.                        | Length(mm) |
| S217350V3                       | 150±10     |
| S217351V3                       | 250±10     |
| S217352V3                       | 500±20     |
| S217353V3                       | 1000±20    |
| S217354V3                       | 1500±30    |
| S217355V3                       | 2000±30    |
| S217356V3                       | 3000±50    |
| S217357V3                       | 5000±100   |
| S217358V3                       | 7500±150   |
| S217359V3                       | 10000±300  |

|                                  |            |
|----------------------------------|------------|
| Colour:<br>Magenta(Pantone 212C) |            |
| Item No.                         | Length(mm) |
| S217380V3                        | 150±10     |
| S217381V3                        | 250±10     |
| S217382V3                        | 500±20     |
| S217383V3                        | 1000±20    |
| S217384V3                        | 1500±30    |
| S217385V3                        | 2000±30    |
| S217386V3                        | 3000±50    |
| S217387V3                        | 5000±100   |
| S217388V3                        | 7500±150   |
| S217389V3                        | 10000±300  |

SYNERGY21

|    |     |                               |            |      |              |                                  |                      |            |      |    |
|----|-----|-------------------------------|------------|------|--------------|----------------------------------|----------------------|------------|------|----|
|    |     |                               |            |      | CUSTOMER     |                                  | ITEM NO.             |            |      |    |
|    |     |                               |            |      | PRODUCT NAME | Cat.7 U/FTP Patch cord Slim Type | manufacture country: | CHINA      | UNIT | MM |
|    |     | NEW                           | 2022-05-13 | V0   | DRAWNBY      | CHECKBY                          | APPOBY               | DATE       |      |    |
| BY | CHK | REVISION RECORD MODIFICATIONS | DATE       | REV. | SYNERGY21    | SYNERGY21                        | SYNERGY21            | 2022-05-13 |      |    |