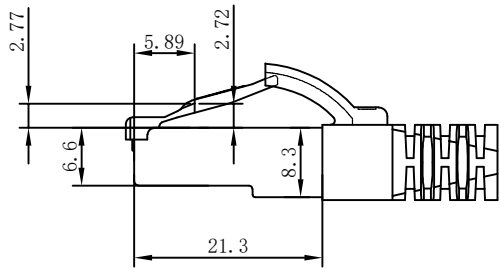
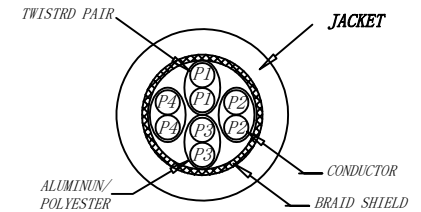
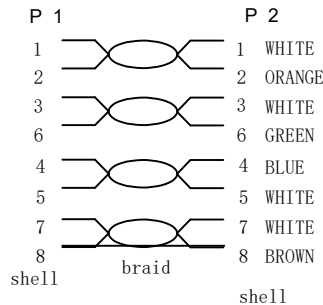


3P Certified CAT.6A S/FTP 26AWG LSZH 500MHz ISO/IEC 11801 Class Ea Channel Link 100% tested &EN 50173-1 & ANSI/TIA-568-C.2 www.Synergy21.de **CE**



WIRING DIAGRAM



MATERIAL LIST:

|     |            |  |       |        |
|-----|------------|--|-------|--------|
| ③   | OVER MOLD  | PVC 75A  | 8PCS  |        |
| ②   | PLUG       | POLYCARBONATE RJ45 8P8C PIN GOLD PLATED 3U", LONG BODY, TRANSPARENT BLUE | 2PCS  |        |
| ①   | CABLE      | S/FTP CAT.6A 26AWG (BC+AL-FOIL)*4PAIR+Braid(AL-MG ) LSZH OD:6.2±0.2MM    | 1PCS  |        |
| NO. | PARTS NAME | SPECIFICATION STANDARD   | QT' Y | REMARK |

NOTE:

- ELECTRICAL TEST:
  - 100% OPEN SHORT, MISS WIRE TEST
  - INSULATION RESISTANCE:DC 300V 10M Ohm;
  - CONTACTOR RESISTANCE:1 OHM per meter
- FLUKE TEST LIMIT:ISO11801 Channel Class EA
- Operating temperature:-20°C ~ + 75°C
- ROHS 3.0 AND REACH COMPLIANT
- Support PoE/PoE+/PoE++
- Packing:Synergy21 PE Bag+Label
- Minimum of the bending radius is 60mm
- Flame retardant (IEC60332-1-2)
  - Low smoke(IEC 61034)
  - Halogen free(IEC 60754-2)

SYNERGY 21

|       |     |   |            |      |              |                                    |                      |               |      |    |
|-------|-----|---|------------|------|--------------|------------------------------------|----------------------|---------------|------|----|
| Hasia |     | change "ROSH 2.0" to "ROSH 3.0"                     | 2022-02-25 | A9   |              |                                    |                      |               |      |    |
|       |     | Add IEC60332-1-2                                    | 2021-01-23 | A8   |              |                                    |                      |               |      |    |
|       |     | Change the spray word                               | 2021-01-08 | A7   |              |                                    |                      |               |      |    |
|       |     | Change the spray word                               | 2019-11-14 | A6   |              |                                    |                      |               |      |    |
|       |     | Increase the minimum bend radius                    | 2018-09-05 | A5   |              |                                    |                      |               |      |    |
|       |     | CHANGE PACKING AND BOX MARK                         | 2018-03-09 | A4   |              |                                    |                      |               |      |    |
|       |     | CHANGE SPRAY WORD                                   | 2017-07-07 | A3   | CUSTOMER     |                                    | ITEM NO.             | See The Chart |      |    |
|       |     | ADD POE Information                                 | 2017-02-06 | A2   | PRODUCT NAME | CAT.6A S/FTP 26AWG LSZH PATCH CORD | manufacture country: | CHINA         | UNIT | MM |
|       |     | ADD "CE" AMRK IN THE PRINT,CHANGE OD 6.5MM TO 6.2MM | 2016-01-11 | A1   | DRAWNBY      | CHECKBY                            | APPROVE              | DATE          |      |    |
| BY    | CHK | REVISION RECORD MODIFICATIONS                       | DATE       | REV. | SYNERGY 21   | SYNERGY 21                         | SYNERGY 21           | 2016-01-08    |      |    |

Chart:

| COLOR:GREY PANTONE 421C |           |                  |
|-------------------------|-----------|------------------|
| ITEM                    | LENGTH/mm | PACKING          |
| S216390                 | 150±10    | SYNERGY 21 A Bag |
| S216400                 | 250±10    | SYNERGY 21 A Bag |
| S216401                 | 500±15    | SYNERGY 21 A Bag |
| S216402                 | 1000±20   | SYNERGY 21 B Bag |
| S216403                 | 1500±30   | SYNERGY 21 B Bag |
| S216404                 | 2000±30   | SYNERGY 21 B Bag |
| S216405                 | 3000±50   | SYNERGY 21 B Bag |
| S216406                 | 5000±100  | SYNERGY 21 B Bag |
| S216407                 | 7500±200  | SYNERGY 21 B Bag |
| S216408                 | 10000±200 | SYNERGY 21 C Bag |
| S216409                 | 15000±300 | SYNERGY 21 C Bag |
| S216410                 | 20000±300 | SYNERGY 21 C Bag |
| S216411                 | 25000±300 | SYNERGY 21 C Bag |
| S216412                 | 30000±300 | SYNERGY 21 D Bag |
| S216413                 | 40000±500 | SYNERGY 21 D Bag |
| S216414                 | 50000±500 | SYNERGY 21 D Bag |

| COLOR:YELLOW PANTONE 135C |           |                  |
|---------------------------|-----------|------------------|
| ITEM                      | LENGTH/mm | PACKING          |
| S216391                   | 150±10    | SYNERGY 21 A Bag |
| S216415                   | 250±10    | SYNERGY 21 A Bag |
| S216416                   | 500±15    | SYNERGY 21 A Bag |
| S216417                   | 1000±20   | SYNERGY 21 B Bag |
| S216418                   | 1500±30   | SYNERGY 21 B Bag |
| S216419                   | 2000±30   | SYNERGY 21 B Bag |
| S216420                   | 3000±50   | SYNERGY 21 B Bag |
| S216421                   | 5000±100  | SYNERGY 21 B Bag |
| S216422                   | 7500±200  | SYNERGY 21 B Bag |
| S216423                   | 10000±200 | SYNERGY 21 C Bag |
| S216424                   | 15000±300 | SYNERGY 21 C Bag |
| S216425                   | 20000±300 | SYNERGY 21 C Bag |
| S216426                   | 25000±300 | SYNERGY 21 C Bag |
| S216427                   | 30000±300 | SYNERGY 21 D Bag |
| S216428                   | 40000±500 | SYNERGY 21 D Bag |
| S216429                   | 50000±500 | SYNERGY 21 D Bag |

| COLOR:GREEN PANTONE 3278C |           |                  |
|---------------------------|-----------|------------------|
| ITEM                      | LENGTH/mm | PACKING          |
| S216392                   | 150±10    | SYNERGY 21 A Bag |
| S216430                   | 250±10    | SYNERGY 21 A Bag |
| S216431                   | 500±15    | SYNERGY 21 A Bag |
| S216432                   | 1000±20   | SYNERGY 21 B Bag |
| S216433                   | 1500±30   | SYNERGY 21 B Bag |
| S216434                   | 2000±30   | SYNERGY 21 B Bag |
| S216435                   | 3000±50   | SYNERGY 21 B Bag |
| S216436                   | 5000±100  | SYNERGY 21 B Bag |
| S216437                   | 7500±200  | SYNERGY 21 B Bag |
| S216438                   | 10000±200 | SYNERGY 21 C Bag |
| S216439                   | 15000±300 | SYNERGY 21 C Bag |
| S216440                   | 20000±300 | SYNERGY 21 C Bag |
| S216441                   | 25000±300 | SYNERGY 21 C Bag |
| S216442                   | 30000±300 | SYNERGY 21 D Bag |
| S216443                   | 40000±500 | SYNERGY 21 D Bag |
| S216444                   | 50000±500 | SYNERGY 21 D Bag |

| COLOR:blue PANTONE 647C |           |                  |
|-------------------------|-----------|------------------|
| ITEM                    | LENGTH/mm | PACKING          |
| S216393                 | 150±10    | SYNERGY 21 A Bag |
| S216445                 | 250±10    | SYNERGY 21 A Bag |
| S216446                 | 500±15    | SYNERGY 21 A Bag |
| S216447                 | 1000±20   | SYNERGY 21 B Bag |
| S216448                 | 1500±30   | SYNERGY 21 B Bag |
| S216449                 | 2000±30   | SYNERGY 21 B Bag |
| S216450                 | 3000±50   | SYNERGY 21 B Bag |
| S216451                 | 5000±100  | SYNERGY 21 B Bag |
| S216452                 | 7500±200  | SYNERGY 21 B Bag |
| S216453                 | 10000±200 | SYNERGY 21 C Bag |
| S216454                 | 15000±300 | SYNERGY 21 C Bag |
| S216455                 | 20000±300 | SYNERGY 21 C Bag |
| S216456                 | 25000±300 | SYNERGY 21 C Bag |
| S216457                 | 30000±300 | SYNERGY 21 D Bag |
| S216458                 | 40000±500 | SYNERGY 21 D Bag |
| S216459                 | 50000±500 | SYNERGY 21 D Bag |

## SYNERGY 21

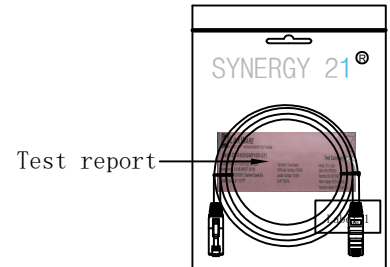
|    |     |                               |     |            |      |              |                          |                      |               |            |    |
|----|-----|-------------------------------|-----|------------|------|--------------|--------------------------|----------------------|---------------|------------|----|
|    |     |                               |     |            |      | CUSTOMER     |                          | ITEM NO.             | See The Chart |            |    |
|    |     |                               |     |            |      | PRODUCT NAME | CAT. 6A S/FTP PATCH CORD | manufacture country: | CHINA         | UNIT       | MM |
|    |     |                               | NEW | 2015-01-20 | A    | DRAWNBY      | CHECKBY                  | APPROVE              | DATE          |            |    |
| BY | CHK | REVISION RECORD MODIFICATIONS |     |            | DATE | REV.         | SYNERGY 21               | SYNERGY 21           | SYNERGY 21    | 2016-01-08 |    |

| COLOR:RED PANTONE 199C |           |                  |
|------------------------|-----------|------------------|
| ITEM                   | LENGTH/mm | PACKING          |
| S216394                | 150±10    | SYNERGY 21 A Bag |
| S216460                | 250±10    | SYNERGY 21 A Bag |
| S216461                | 500±15    | SYNERGY 21 A Bag |
| S216462                | 1000±20   | SYNERGY 21 B Bag |
| S216463                | 1500±30   | SYNERGY 21 B Bag |
| S216464                | 2000±30   | SYNERGY 21 B Bag |
| S216465                | 3000±50   | SYNERGY 21 B Bag |
| S216466                | 5000±100  | SYNERGY 21 B Bag |
| S216467                | 7500±200  | SYNERGY 21 B Bag |
| S216468                | 10000±200 | SYNERGY 21 C Bag |
| S216469                | 15000±300 | SYNERGY 21 C Bag |
| S216470                | 20000±300 | SYNERGY 21 C Bag |
| S216471                | 25000±300 | SYNERGY 21 C Bag |
| S216472                | 30000±100 | SYNERGY 21 D Bag |
| S216473                | 40000±500 | SYNERGY 21 D Bag |
| S216474                | 50000±500 | SYNERGY 21 D Bag |

| COLOR:WHITE |           |                  |
|-------------|-----------|------------------|
| ITEM        | LENGTH/mm | PACKING          |
| S216395     | 150±10    | SYNERGY 21 A Bag |
| S216475     | 250±10    | SYNERGY 21 A Bag |
| S216476     | 500±15    | SYNERGY 21 A Bag |
| S216477     | 1000±20   | SYNERGY 21 B Bag |
| S216478     | 1500±30   | SYNERGY 21 B Bag |
| S216479     | 2000±30   | SYNERGY 21 B Bag |
| S216480     | 3000±50   | SYNERGY 21 B Bag |
| S216481     | 5000±100  | SYNERGY 21 B Bag |
| S216482     | 7500±200  | SYNERGY 21 B Bag |
| S216483     | 10000±200 | SYNERGY 21 C Bag |
| S216484     | 15000±300 | SYNERGY 21 C Bag |
| S216485     | 20000±300 | SYNERGY 21 C Bag |
| S216486     | 25000±300 | SYNERGY 21 C Bag |
| S216487     | 30000±300 | SYNERGY 21 D Bag |
| S216488     | 40000±500 | SYNERGY 21 D Bag |
| S216489     | 50000±500 | SYNERGY 21 D Bag |

| COLOR:BLACK PANTONE BLACK 3C |           |                  |
|------------------------------|-----------|------------------|
| ITEM                         | LENGTH/mm | PACKING          |
| S216396                      | 150±10    | SYNERGY 21 A Bag |
| S216490                      | 250±10    | SYNERGY 21 A Bag |
| S216491                      | 500±15    | SYNERGY 21 A Bag |
| S216492                      | 1000±20   | SYNERGY 21 B Bag |
| S216493                      | 1500±30   | SYNERGY 21 B Bag |
| S216494                      | 2000±30   | SYNERGY 21 B Bag |
| S216495                      | 3000±50   | SYNERGY 21 B Bag |
| S216496                      | 5000±100  | SYNERGY 21 B Bag |
| S216497                      | 7500±200  | SYNERGY 21 B Bag |
| S216498                      | 10000±200 | SYNERGY 21 C Bag |
| S216499                      | 15000±300 | SYNERGY 21 C Bag |
| S216500                      | 20000±300 | SYNERGY 21 C Bag |
| S216501                      | 25000±300 | SYNERGY 21 C Bag |
| S216502                      | 30000±100 | SYNERGY 21 D Bag |
| S216503                      | 40000±500 | SYNERGY 21 D Bag |
| S216504                      | 50000±500 | SYNERGY 21 D Bag |

| COLOR:Orange PANTONE 1575C |           |                  |
|----------------------------|-----------|------------------|
| ITEM                       | LENGTH/mm | PACKING          |
| S216520                    | 150±5     | SYNERGY 21 A Bag |
| S216505                    | 250±10    | SYNERGY 21 A Bag |
| S216506                    | 500±15    | SYNERGY 21 A Bag |
| S216507                    | 1000±20   | SYNERGY 21 B Bag |
| S216508                    | 1500±30   | SYNERGY 21 B Bag |
| S216509                    | 2000±30   | SYNERGY 21 B Bag |
| S216510                    | 3000±50   | SYNERGY 21 B Bag |
| S216511                    | 5000±100  | SYNERGY 21 B Bag |
| S216512                    | 7500±200  | SYNERGY 21 B Bag |
| S216513                    | 10000±200 | SYNERGY 21 C Bag |
| S216514                    | 15000±300 | SYNERGY 21 C Bag |
| S216515                    | 20000±300 | SYNERGY 21 C Bag |
| S216516                    | 25000±300 | SYNERGY 21 C Bag |
| S216517                    | 30000±300 | SYNERGY 21 D Bag |
| S216518                    | 40000±500 | SYNERGY 21 D Bag |
| S216519                    | 50000±500 | SYNERGY 21 D Bag |



# SYNERGY 21

|    |  |              |  |                               |  |                      |  |  |  |
|----|--|--------------|--|-------------------------------|--|----------------------|--|--|--|
|    |  | CUSTOMER     |  |                               |  | ITEM NO.             |  | See The Chart                                    |  |
|    |  | PRODUCT NAME |  | CAT. 6A S/FTP PATCH CORD      |  | manufacture country: |  | CHINA UNIT MM                                    |  |
|    |  | NEW          |  | 2015-01-20                    |  | A                    |  | DRAWNBY CHECKBY APPROVE DATE                     |  |
| BY |  | CHK          |  | REVISION RECORD MODIFICATIONS |  | DATE                 |  | REV. SYNERGY 21 SYNERGY 21 SYNERGY 21 2016-01-08 |  |