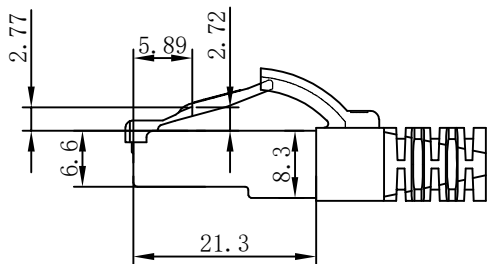
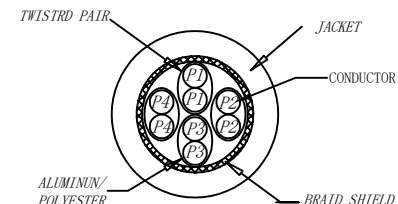
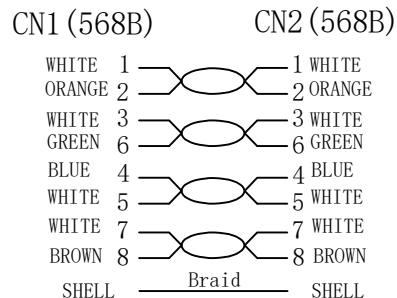


CAT.6 S/FTP LSZH 250MHz ISO/IEC 11801 & EN50173-1 & ANSI/TIA-568-C.2 www.Synergy21.de **CE**



**PIN OUT**



**MATERIAL LIST**

|     |                  |   |       |        |
|-----|------------------|---|-------|--------|
| ⑥   | LABEL            | NO DRY GLUE LABEL   | 1     |        |
| ⑤   | MINI TIE         | PE MINI TIE (POSSESS METAL) COLOUR SEE THE CHART  | 2     |        |
| ④   | POLYETHYLENE BAG | SYNERGY 21 SLIP PE BAG  | 1     |        |
| ③   | CABLE            | CAT.6 S/FTP 27AWG(BC*1P+AL-FOIL)*4+Braid (AL-MG)<br>JACKET:LSZH OD:5.8±0.2mm COLOUR SEE THE CHART | 1     |        |
| ②   | Over mold        | 80A PVC, COLOR:SEE THE CHART  | 2     |        |
| ①   | Plug             | RJ45 8P8C'S SHIELED , THE SHELL PLATED NICKEL , PIN GOLD PLATED 3u" RED/TRANSPARENT               | 2     |        |
| 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 E
- 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)

|       |     |                                  |            |      |                   |                              |                      |               |      |    |
|-------|-----|----------------------------------|------------|------|-------------------|------------------------------|----------------------|---------------|------|----|
| Hasia |     | change "ROSH 2.0" to "ROSH 3.0"  | 2022-02-25 | A7   | <b>SYNERGY 21</b> |                              |                      |               |      |    |
|       |     | Add IEC60332-1-2                 | 2021-01-23 | A6   |                   |                              |                      |               |      |    |
|       |     | Increase the minimum bend radius | 2018-11-30 | A5   |                   |                              |                      |               |      |    |
|       |     | Change Moulding                  | 2018-05-29 | A4   |                   |                              |                      |               |      |    |
|       |     | CHANGE PACKING AND BOX MARK      | 2018-03-12 | A3   | CUSTOMER NO.      |                              | ITEM NO.             | SEE THE CHART |      |    |
|       |     | ADD POE Information              | 2017-02-06 | A2   | PRODUCT NAME      | CAT. 6 S/FTP PATCH CORD LSZH | manufacture country: | CHINA         | UNIT | MM |
| BY    | CHK | REVISION RECORD MODIFICATIONS    | DATE       | REV. | DRAWNBY           | CHECKBY                      | APPOBY               | DATE          |      |    |
|       |     |                                  |            |      | SYNERGY 21        | SYNERGY 21                   | SYNERGY 21           | 2015-01-20    |      |    |

| COLOR:WHITE |           |                  | COLOR:GREY PANTONE 421C |           |                  | COLOR:RED PANTONE 199C |           |                  | COLOR:ORANGE PANTONE 1575C |           |                  |
|-------------|-----------|------------------|-------------------------|-----------|------------------|------------------------|-----------|------------------|----------------------------|-----------|------------------|
| ITEM        | LENGTH/mm | PACKING          | ITEM                    | LENGTH/mm | PACKING          | ITEM                   | LENGTH/mm | PACKING          | ITEM                       | LENGTH/mm | PACKING          |
| S215908     | 150±10    | SYNERGY 21 A Bag | S215902                 | 150±10    | SYNERGY 21 A Bag | S215906                | 150±10    | SYNERGY 21 A Bag | S215905                    | 150±10    | SYNERGY 21 A Bag |
| S216135     | 250±10    | SYNERGY 21 A Bag | S216004                 | 250±10    | SYNERGY 21 A Bag | S216007                | 250±10    | SYNERGY 21 A Bag | S216006                    | 250±10    | SYNERGY 21 A Bag |
| S216017     | 500±15    | SYNERGY 21 A Bag | S216012                 | 500±15    | SYNERGY 21 A Bag | S216016                | 500±15    | SYNERGY 21 A Bag | S216015                    | 500±15    | SYNERGY 21 A Bag |
| S216027     | 1000±30   | SYNERGY 21 A Bag | S216022                 | 1000±30   | SYNERGY 21 A Bag | S216026                | 1000±30   | SYNERGY 21 A Bag | S216025                    | 1000±30   | SYNERGY 21 A Bag |
| S216036     | 1500±30   | SYNERGY 21 A Bag | S216031                 | 1500±30   | SYNERGY 21 A Bag | S216035                | 1500±30   | SYNERGY 21 A Bag | S216034                    | 1500±30   | SYNERGY 21 A Bag |
| S216046     | 2000±30   | SYNERGY 21 A Bag | S216041                 | 2000±30   | SYNERGY 21 A Bag | S216045                | 2000±30   | SYNERGY 21 A Bag | S216044                    | 2000±30   | SYNERGY 21 A Bag |
| S216056     | 3000±50   | SYNERGY 21 A Bag | S216051                 | 3000±50   | SYNERGY 21 A Bag | S216055                | 3000±50   | SYNERGY 21 A Bag | S216054                    | 3000±50   | SYNERGY 21 A Bag |
| S216066     | 5000±200  | SYNERGY 21 B Bag | S216061                 | 5000±200  | SYNERGY 21 B Bag | S216065                | 5000±200  | SYNERGY 21 B Bag | S216064                    | 5000±200  | SYNERGY 21 B Bag |
| S216075     | 7500±200  | SYNERGY 21 B Bag | S216070                 | 7500±200  | SYNERGY 21 B Bag | S216074                | 7500±200  | SYNERGY 21 B Bag | S216073                    | 7500±200  | SYNERGY 21 B Bag |
| S216084     | 10000±200 | SYNERGY 21 B Bag | S216079                 | 10000±200 | SYNERGY 21 B Bag | S216083                | 10000±200 | SYNERGY 21 B Bag | S216082                    | 10000±200 | SYNERGY 21 B Bag |
| S216093     | 15000±300 | SYNERGY 21 C Bag | S216088                 | 15000±300 | SYNERGY 21 C Bag | S216092                | 15000±300 | SYNERGY 21 C Bag | S216091                    | 15000±300 | SYNERGY 21 C Bag |
| S216102     | 20000±300 | SYNERGY 21 C Bag | S216097                 | 20000±300 | SYNERGY 21 C Bag | S216101                | 20000±300 | SYNERGY 21 C Bag | S216100                    | 20000±300 | SYNERGY 21 C Bag |
| S216111     | 25000±300 | SYNERGY 21 C Bag | S216106                 | 25000±300 | SYNERGY 21 C Bag | S216110                | 25000±300 | SYNERGY 21 C Bag | S216109                    | 25000±300 | SYNERGY 21 C Bag |
| S216120     | 30000±300 | SYNERGY 21 D Bag | S216115                 | 30000±300 | SYNERGY 21 D Bag | S216119                | 30000±300 | SYNERGY 21 D Bag | S216118                    | 30000±300 | SYNERGY 21 D Bag |
|             |           |                  | S216133                 | 40000±500 | SYNERGY 21 D Bag |                        |           |                  |                            |           |                  |
|             |           |                  | S216134                 | 50000±500 | SYNERGY 21 D Bag |                        |           |                  |                            |           |                  |

|    |     |                               |  |  |      |                   |                         |            |                      |               |      |      |
|----|-----|-------------------------------|--|--|------|-------------------|-------------------------|------------|----------------------|---------------|------|------|
|    |     |                               |  |  |      | <b>SYNERGY 21</b> |                         |            |                      |               |      |      |
|    |     |                               |  |  |      | CUSTOMER NO.      |                         |            | ITEM NO.             | SEE THE CHART |      |      |
|    |     |                               |  |  |      | PRODUCT NAME      | CAT. 6 S/FTP PATCH CORD |            | manufacture country: | CHINA         | UNIT | MM   |
|    |     |                               |  |  |      | DRAWNBY           |                         | CHECKBY    |                      | APPOBY        |      | DATE |
| BY | CHK | REVISION RECORD MODIFICATIONS |  |  | DATE | REV.              | SYNERGY 21              | SYNERGY 21 | SYNERGY 21           | 2015-01-20    |      |      |

| COLOR:MAGENTA PANTONE 212C |           |                  |
|----------------------------|-----------|------------------|
| ITEM                       | LENGTH/mm | PACKING          |
|                            | 250±10    | SYNERGY 21 A Bag |
| S216014                    | 500±15    | SYNERGY 21 A Bag |
| S216024                    | 1000±30   | SYNERGY 21 A Bag |
| S216033                    | 1500±30   | SYNERGY 21 A Bag |
| S216043                    | 2000±30   | SYNERGY 21 A Bag |
| S216053                    | 3000±50   | SYNERGY 21 A Bag |
| S216063                    | 5000±200  | SYNERGY 21 B Bag |
| S216072                    | 7500±200  | SYNERGY 21 B Bag |
| S216081                    | 10000±200 | SYNERGY 21 B Bag |
| S216090                    | 15000±300 | SYNERGY 21 C Bag |
| S216099                    | 20000±300 | SYNERGY 21 C Bag |
| S216108                    | 25000±300 | SYNERGY 21 C Bag |
| S216117                    | 30000±300 | SYNERGY 21 D Bag |
|                            |           |                  |
|                            |           |                  |

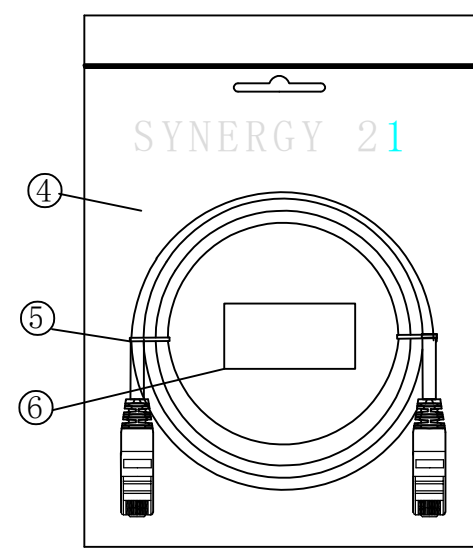
| COLOR:GREEN PANTONE 3278C |           |                  |
|---------------------------|-----------|------------------|
| ITEM                      | LENGTH/mm | PACKING          |
| S215903                   | 150±10    | SYNERGY 21 A Bag |
| S216005                   | 250±10    | SYNERGY 21 A Bag |
| S216013                   | 500±15    | SYNERGY 21 A Bag |
| S216023                   | 1000±30   | SYNERGY 21 A Bag |
| S216032                   | 1500±30   | SYNERGY 21 A Bag |
| S216042                   | 2000±30   | SYNERGY 21 A Bag |
| S216052                   | 3000±50   | SYNERGY 21 A Bag |
| S216062                   | 5000±200  | SYNERGY 21 B Bag |
| S216071                   | 7500±200  | SYNERGY 21 B Bag |
| S216080                   | 10000±200 | SYNERGY 21 B Bag |
| S216089                   | 15000±300 | SYNERGY 21 C Bag |
| S216098                   | 20000±300 | SYNERGY 21 C Bag |
| S216107                   | 25000±300 | SYNERGY 21 C Bag |
| S216116                   | 30000±300 | SYNERGY 21 D Bag |
|                           |           |                  |
|                           |           |                  |

| COLOR:YELLOW PANTONE 135C |           |                  |
|---------------------------|-----------|------------------|
| ITEM                      | LENGTH/mm | PACKING          |
| S215901                   | 150±10    | SYNERGY 21 A Bag |
| S216003                   | 250±10    | SYNERGY 21 A Bag |
| S216011                   | 500±15    | SYNERGY 21 A Bag |
| S216020                   | 1000±30   | SYNERGY 21 A Bag |
| S216030                   | 1500±30   | SYNERGY 21 A Bag |
| S216039                   | 2000±30   | SYNERGY 21 A Bag |
| S216049                   | 3000±50   | SYNERGY 21 A Bag |
| S216059                   | 5000±200  | SYNERGY 21 B Bag |
| S216069                   | 7500±200  | SYNERGY 21 B Bag |
| S216078                   | 10000±200 | SYNERGY 21 B Bag |
| S216087                   | 15000±300 | SYNERGY 21 C Bag |
| S216096                   | 20000±300 | SYNERGY 21 C Bag |
| S216105                   | 25000±300 | SYNERGY 21 C Bag |
| S216114                   | 30000±300 | SYNERGY 21 D Bag |
|                           |           |                  |
|                           |           |                  |

| SYNERGY 21 |     |                               |  |              |            |                         |            |                      |            |            |
|------------|-----|-------------------------------|--|--------------|------------|-------------------------|------------|----------------------|------------|------------|
|            |     |                               |  | CUSTOMER NO. |            | ITEM NO.                |            | SEE THE CHART        |            |            |
|            |     |                               |  | PRODUCT NAME |            | CAT. 6 S/FTP PATCH CORD |            | manufacture country: |            |            |
|            |     |                               |  |              |            | CHINA                   |            | UNIT MM              |            |            |
|            |     |                               |  | NEW          | 2015-01-20 | A                       | DRAWNBY    | CHECKBY              | APPOBY     | DATE       |
| BY         | CHK | REVISION RECORD MODIFICATIONS |  |              | DATE       | REV.                    | SYNERGY 21 | SYNERGY 21           | SYNERGY 21 | 2015-01-20 |

| COLOR:BLUE PANTONE 647C |             |                  |
|-------------------------|-------------|------------------|
| ITEM                    | LENGTH/mm   | PACKING          |
| S215900                 | 150 ± 10    | SYNERGY 21 A Bag |
| S216002                 | 250 ± 10    | SYNERGY 21 A Bag |
| S216009                 | 500 ± 15    | SYNERGY 21 A Bag |
| S216019                 | 1000 ± 30   | SYNERGY 21 A Bag |
| S216029                 | 1500 ± 30   | SYNERGY 21 A Bag |
| S216038                 | 2000 ± 30   | SYNERGY 21 A Bag |
| S216048                 | 3000 ± 50   | SYNERGY 21 A Bag |
| S216058                 | 5000 ± 200  | SYNERGY 21 B Bag |
| S216068                 | 7500 ± 200  | SYNERGY 21 B Bag |
| S216077                 | 10000 ± 200 | SYNERGY 21 B Bag |
| S216086                 | 15000 ± 300 | SYNERGY 21 C Bag |
| S216095                 | 20000 ± 300 | SYNERGY 21 C Bag |
| S216104                 | 25000 ± 300 | SYNERGY 21 C Bag |
| S216113                 | 30000 ± 300 | SYNERGY 21 D Bag |
|                         |             |                  |

| COLOR:BLACK PANTONE BLACK 3C |             |                  |
|------------------------------|-------------|------------------|
| ITEM                         | LENGTH/mm   | PACKING          |
| S215907                      | 150 ± 10    | SYNERGY 21 A Bag |
| S216001                      | 250 ± 10    | SYNERGY 21 A Bag |
| S216008                      | 500 ± 15    | SYNERGY 21 A Bag |
| S216018                      | 1000 ± 30   | SYNERGY 21 A Bag |
| S216028                      | 1500 ± 30   | SYNERGY 21 A Bag |
| S216037                      | 2000 ± 30   | SYNERGY 21 A Bag |
| S216047                      | 3000 ± 50   | SYNERGY 21 A Bag |
| S216057                      | 5000 ± 200  | SYNERGY 21 B Bag |
| S216067                      | 7500 ± 200  | SYNERGY 21 B Bag |
| S216076                      | 10000 ± 200 | SYNERGY 21 B Bag |
| S216085                      | 15000 ± 300 | SYNERGY 21 C Bag |
| S216094                      | 20000 ± 300 | SYNERGY 21 C Bag |
| S216103                      | 25000 ± 300 | SYNERGY 21 C Bag |
| S216112                      | 30000 ± 300 | SYNERGY 21 D Bag |
|                              |             |                  |



|    |     |                               |     |            |              |                         |                      |                       |
|----|-----|-------------------------------|-----|------------|--------------|-------------------------|----------------------|-----------------------|
|    |     |                               |     |            | SYNERGY 21   |                         |                      |                       |
|    |     |                               |     |            | CUSTOMER NO. |                         | ITEM NO.             | SEE THE CHART         |
|    |     |                               |     |            | PRODUCT NAME | CAT. 6 S/FTP PATCH CORD | manufacture country: | CHINA UNIT MM         |
|    |     |                               | NEW | 2015-01-20 | A            | DRAWNBY                 | CHECKBY              | APPOBY DATE           |
| BY | CHK | REVISION RECORD MODIFICATIONS |     | DATE       | REV.         | SYNERGY 21              | SYNERGY 21           | SYNERGY 21 2015-01-20 |