



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

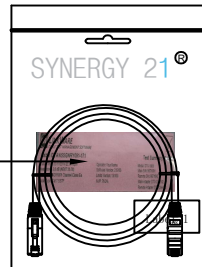
| | | | | | | | | | | | |
|----|-----|-------------------------------|-----|------------|------|--------------|--------------------------|----------------------|---------------|------------|----|
| | | | | | | CUSTOMER | | ITEM NO. | See The Chart | | |
| | | | | | | PRODUCT NAME | CAT. 6A S/FTP PATCH 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 |



Test report

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|-------------------|-----|-------------------------------|--------------------------|--|------|----------------------|------------|------------|------------|------------|------|
| 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 | |