



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) 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 | SYNERGY 21 | | | | | |
| | | 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 | | | | | | |

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|----|-----|-------------------------------|--|--|------|-------------------|-------------------------|------------|----------------------|---------------|------|----|
| | | | | | | SYNERGY 21 | | | | | | |
| | | | | | | 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 |
| | | |
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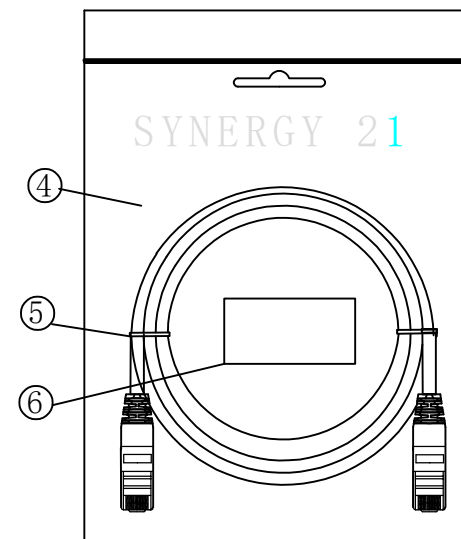
| COLOR:GREEN PANTONE 3278C | | |
|---------------------------|-----------|------------------|
| ITEM | LENGTH/mm | PACKING |
| S215903 | 150±10 | SYNERGY 21 A Bag |
| S216005 | 250±10 | SYNERGY 21 A Bag |
| S216013 | 500±15 | SYNERGY 21 A Bag |
| S216023 | 1000±30 | SYNERGY 21 A Bag |
| S216032 | 1500±30 | 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 |
| | | |
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| 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 |
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|----|-----|--|--|--|-------------------------------|-------------------------|----------------------|---------------|------------|------------|------------|
| | | | | | 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 |
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| | | | | | 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 | | |