



CAT6A S/FTP with 600MHz cat.7 raw cable 4x2x26AWG/7 TPE/LSZH ISO11801 & EN50173 & ANSI/TIA568C.2 www.Synergy21.de

11.68±0.1



WIRING DIAGRAM



NOTE:

- ELECTRICAL TEST:100% OPEN SHORT, MISS WIRE TEST
- FLUKE Channel LINK TEST:
TEST LIMIT:ISO11801 Channel Class EA
- Working temperature:-10°C~+60°C
Storage temperature:-20°C~+75°C
- ROHS 3.0 AND REACH compliant
- Support PoE/PoE+/PoE++
- Flame retardant (IEC60332-1-2)
Low smoke(IEC 61034)
Halogen free(IEC 60754-2)
- Raw cable is Cat7 up to 600mhz
- Packing: 1pc/synergy 21 bag+label

MATERIAL LIST

| ③ | OVER MOLD | PVC | 2 | |
|-------|------------|--|------------|--------|
| ② | CONNECTOR | CAT6A 500Mhz RJ45 8P8C Shielded Plug, Pin Gold Plated 3u" Shell Nickel plating COLOUR: Transparence Yellow | 2 | |
| ① | CABLE | S/FTP CAT. 7 600Mhz 26AWG (BC*1P+AL-FOLL)*4P+BRAID (AL-MG) JACKET:Ultraflex TPE/LSZH OD:6.0±0.2mm | 1 | |
| NO. | PARTS NAME | SPECIFICATION STANDARD | QT' Y | REMARK |
| Hasia | | change "ROSH 2.0" to "ROSH 3.0" | 2022-02-25 | A1 |
| | | NEW | 2021-7-15 | A |
| BY | CHK | REVISION RECORD MODIFICATION | DATE | REV. |

| SYNERGY 21 | | | | | |
|--------------|------------------------|----------------------|-----------|------|----|
| CUSTOMER | | ITEM NO. | | | |
| PRODUCT NAME | CAT.7 S/FTP PATCH CORD | manufacture country: | CHINA | UNIT | MM |
| DRAWN BY | CHECK BY | APPO BY | DATE | | |
| SYNERGY 21 | SYNERGY 21 | SYNERGY 21 | 2021-7-15 | | |

| COLOR:GREY (RAL 7035) | |
|-----------------------|-----------|
| ITEM NO. | LENGTH |
| S217600 | 150±5 |
| S217601 | 250±10 |
| S217602 | 500±15 |
| S217603 | 1000±20 |
| S217604 | 1500±30 |
| S217605 | 2000±30 |
| S217606 | 3000±50 |
| S217607 | 5000±100 |
| S217608 | 7500±200 |
| S217609 | 10000±200 |
| S217610 | 15000±300 |
| S217611 | 20000±300 |
| S217612 | 25000±300 |
| S217613 | 30000±500 |

| COLOR:BLACK (PANTONE BLACK 3C) | |
|--------------------------------|-----------|
| ITEM NO. | LENGTH |
| S217614 | 150±5 |
| S217615 | 250±10 |
| S217616 | 500±15 |
| S217617 | 1000±20 |
| S217618 | 1500±30 |
| S217619 | 2000±30 |
| S217620 | 3000±50 |
| S217621 | 5000±100 |
| S217622 | 7500±200 |
| S217623 | 10000±200 |
| S217624 | 15000±300 |
| S217625 | 20000±300 |
| S217626 | 25000±300 |
| S217627 | 30000±500 |

| COLOR:WHITE (RAL 9003) | |
|------------------------|-----------|
| ITEM NO. | LENGTH |
| S217628 | 150±5 |
| S217629 | 250±10 |
| S217630 | 500±15 |
| S217631 | 1000±20 |
| S217632 | 1500±30 |
| S217633 | 2000±30 |
| S217634 | 3000±50 |
| S217635 | 5000±100 |
| S217636 | 7500±200 |
| S217637 | 10000±200 |
| S217638 | 15000±300 |
| S217639 | 20000±300 |
| S217640 | 25000±300 |
| S217641 | 30000±500 |

| COLOR:BLUE (PANTONE 647C) | |
|---------------------------|-----------|
| ITEM NO. | LENGTH |
| S217642 | 150±5 |
| S217643 | 250±10 |
| S217644 | 500±15 |
| S217645 | 1000±20 |
| S217646 | 1500±30 |
| S217647 | 2000±30 |
| S217648 | 3000±50 |
| S217649 | 5000±100 |
| S217650 | 7500±200 |
| S217651 | 10000±200 |
| S217652 | 15000±300 |
| S217653 | 20000±300 |
| S217654 | 25000±300 |
| S217655 | 30000±500 |

| COLOR:RED (PANTONE 199C) | |
|--------------------------|-----------|
| ITEM NO. | LENGTH |
| S217712 | 150±5 |
| S217713 | 250±10 |
| S217714 | 500±15 |
| S217715 | 1000±20 |
| S217716 | 1500±30 |
| S217717 | 2000±30 |
| S217718 | 3000±50 |
| S217719 | 5000±100 |
| S217720 | 7500±200 |
| S217721 | 10000±200 |
| S217722 | 15000±300 |
| S217723 | 20000±300 |
| S217724 | 25000±300 |
| S217725 | 30000±500 |

| COLOR:YELLOW (PANTONE 135C) | |
|-----------------------------|-----------|
| ITEM NO. | LENGTH |
| S217656 | 150±5 |
| S217657 | 250±10 |
| S217658 | 500±15 |
| S217659 | 1000±20 |
| S217660 | 1500±30 |
| S217661 | 2000±30 |
| S217662 | 3000±50 |
| S217663 | 5000±100 |
| S217664 | 7500±200 |
| S217665 | 10000±200 |
| S217666 | 15000±300 |
| S217667 | 20000±300 |
| S217668 | 25000±300 |
| S217669 | 30000±500 |

| COLOR:GREEN (PANTONE 3278C) | |
|-----------------------------|-----------|
| ITEM NO. | LENGTH |
| S217670 | 150±5 |
| S217671 | 250±10 |
| S217672 | 500±15 |
| S217673 | 1000±20 |
| S217674 | 1500±30 |
| S217675 | 2000±30 |
| S217676 | 3000±50 |
| S217677 | 5000±100 |
| S217678 | 7500±200 |
| S217679 | 10000±200 |
| S217680 | 15000±300 |
| S217681 | 20000±300 |
| S217682 | 25000±300 |
| S217683 | 30000±500 |

| Color:Orange (Pantone 1575C) | |
|------------------------------|-----------|
| ITEM NO. | LENGTH |
| S217684 | 150±5 |
| S217685 | 250±10 |
| S217686 | 500±15 |
| S217687 | 1000±20 |
| S217688 | 1500±30 |
| S217689 | 2000±30 |
| S217690 | 3000±50 |
| S217691 | 5000±100 |
| S217692 | 7500±200 |
| S217693 | 10000±200 |
| S217694 | 15000±300 |
| S217695 | 20000±300 |
| S217696 | 25000±300 |
| S217697 | 30000±500 |

| Color:Magenta (Pantone 212C) | |
|------------------------------|-----------|
| ITEM NO. | LENGTH |
| S217698 | 150±5 |
| S217699 | 250±10 |
| S217700 | 500±15 |
| S217701 | 1000±20 |
| S217702 | 1500±30 |
| S217703 | 2000±30 |
| S217704 | 3000±50 |
| S217705 | 5000±100 |
| S217706 | 7500±200 |
| S217707 | 10000±200 |
| S217708 | 15000±300 |
| S217709 | 20000±300 |
| S217710 | 25000±300 |
| S217711 | 30000±500 |

| COLOR:purple (Pantone 2725C) | |
|------------------------------|-----------|
| ITEM NO. | LENGTH |
| S217760 | 150±5 |
| S217761 | 250±10 |
| S217762 | 500±15 |
| S217763 | 1000±20 |
| S217764 | 1500±30 |
| S217765 | 2000±30 |
| S217766 | 3000±50 |
| S217767 | 5000±100 |
| S217768 | 7500±200 |
| S217769 | 10000±200 |
| S217770 | 15000±300 |
| S217771 | 20000±300 |
| S217772 | 25000±300 |
| S217773 | 30000±500 |

SYNERGY 21

| | | | | | |
|--------------|------------------------|----------------------|-----------|------|----|
| CUSTOMER | | ITEM NO. | | | |
| PRODUCT NAME | CAT.7 S/FTP PATCH CORD | manufacture country: | CHINA | UNIT | MM |
| DRAWN BY | CHECK BY | APPO BY | DATE | | |
| SYNERGY 21 | SYNERGY 21 | SYNERGY 21 | 2021-7-15 | | |

| | | | | |
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| COLOR:RED (PANTONE 199C) | | |
|--------------------------|----------|-----------|
| UNO ITEM NO. | ITEM NO. | LENGTH |
| F218313R, 01 | S217712 | 150±5 |
| F218313R, 22 | S217713 | 250±10 |
| F218313R, 50 | S217714 | 500±15 |
| F218313R, 11 | S217715 | 1000±20 |
| F218313R, 51 | S217716 | 1500±30 |
| F218313R, 02 | S217717 | 2000±30 |
| F218313R, 03 | S217718 | 3000±50 |
| F218313R, 05 | S217719 | 5000±100 |
| F218313R, 07 | S217720 | 7500±200 |
| F218313R, 00 | S217721 | 10000±200 |
| F218313R, 15 | S217722 | 15000±300 |
| F218313R, 20 | S217723 | 20000±300 |
| F218313R, 25 | S217724 | 25000±300 |
| F218313R, 30 | S217725 | 30000±500 |

| COLOR:purple (Pantone 2725C) | | |
|------------------------------|----------|-----------|
| UNO ITEM NO. | ITEM NO. | LENGTH |
| F218313P, 01 | S217760 | 150±5 |
| F218313P, 22 | S217761 | 250±10 |
| F218313P, 50 | S217762 | 500±15 |
| F218313P, 11 | S217763 | 1000±20 |
| F218313P, 51 | S217764 | 1500±30 |
| F218313P, 02 | S217765 | 2000±30 |
| F218313P, 03 | S217766 | 3000±50 |
| F218313P, 05 | S217767 | 5000±100 |
| F218313P, 07 | S217768 | 7500±200 |
| F218313P, 00 | S217769 | 10000±200 |
| F218313P, 15 | S217770 | 15000±300 |
| F218313P, 20 | S217771 | 20000±300 |
| F218313P, 25 | S217772 | 25000±300 |
| F218313P, 30 | S217773 | 30000±500 |

SYNERGY 21

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|----|-----|------------------------------|--|-------------------------|------------|------------|------------|
| | | CUSTOMER | | AN | ITEM NO. | | |
| | | PRODUCT NAME | | CAT. 7 S/FTP PATCH CORD | | UNIT | MM |
| | | NEW | | 2021-7-15 | A | DATE | |
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| | | | | SYNERGY 21 | SYNERGY 21 | SYNERGY 21 | 2021-7-15 |