

**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/90A OD:6.0±0.2mm COLOUR SEE THE CHART | 1 |  |
| ② | Over mold        | 80A PVC, COLOR:SEE THE CHART  | 2 |  |
| ① | Plug             | RJ45 8P8C'S SHIELDED ,THE SHELL PLATED NICKEL ,PIN GOLD PLATED 3u" RED/TRANSPARENT                      | 2 |  |

| NO. | PARTS NAME | SPECIFICATION STANDARD        | QT' Y      | REMARK |
|-----|------------|-------------------------------|------------|--------|
|     |            | ADD POE Information           | 2017-02-06 | A2     |
|     |            | ADD "CE" MARK IN SPRAY WORD   | 2016-01-08 | A1     |
|     |            | NEW                           | 2015-01-20 | A      |
| BY  | CHK        | REVISION RECORD MODIFICATIONS | DATE       | REV.   |

**NOTE:**

1. ELECTRICAL TEST:
  - (1).100% OPEN SHORT, MISS WIRE TEST
  - (2).INSULATION RESISTANCE:DC 300V 10M Ohm;
  - (3).CONTACTOR RESISTANCE:1 OHM per meter
2. FLUKE TEST:CAT.6 channel test with four connectors  
TEST LIMIT:ISO11801 Channel Class E
3. Working temperature:-10°C ~ + 60°C
4. Storage temperature:-20°C~+75°C
5. RoHS2.0 AND REACH compliant
6. Support PoE per IEEE 802.3af, Max to 15 Watt
7. Spray WORD:  
CAT. 6 S/FTP LSZH 250MHz ISO/IEC 11801 & EN50173-1 & ANSI/TIA-568-C.2 www.Synergy21.de **CE**
8. PACKING:SYNERGY 21 SLIP PE BAG+LABEL

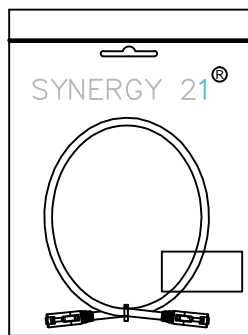
|                   |  |                         |  |                      |  |               |  |
|-------------------|--|-------------------------|--|----------------------|--|---------------|--|
| <b>SYNERGY 21</b> |  |                         |  |                      |  |               |  |
| CUSTOMER NO.      |  |                         |  | ITEM NO.             |  | SEE THE CHART |  |
| PRODUCT NAME      |  | CAT. 6 S/FTP PATCH CORD |  | manufacture country: |  | CHINA UNIT MM |  |
| DRAWNBY           |  | CHECKBY                 |  | APPOBY               |  | DATE          |  |
| SYNERGY 21        |  | SYNERGY 21              |  | SYNERGY 21           |  | 2016-01-08    |  |

| 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 |                         |           |                  |                             |           |                  |

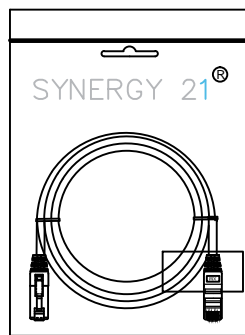
|    |     |                               |           |  |            |                   |              |                         |            |                      |       |      |    |
|----|-----|-------------------------------|-----------|--|------------|-------------------|--------------|-------------------------|------------|----------------------|-------|------|----|
|    |     |                               |           |  |            | <b>SYNERGY 21</b> |              |                         |            |                      |       |      |    |
|    |     |                               |           |  |            | CUSTOMER NO.      |              |                         | ITEM NO.   | SEE THE CHART        |       |      |    |
|    |     |                               | ADD 0.15M |  | 2016-10-25 | A1                | 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           |       |      |    |



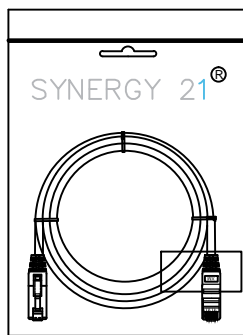




L ≤ 0.5M



0.5M < L ≤ 7.5



7.5 < L

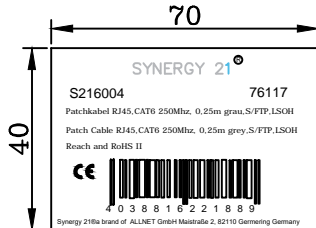
SYNERGY 2: Colour pantone 877C  
1: Colour pantone 298C

®: Colour pantone Black

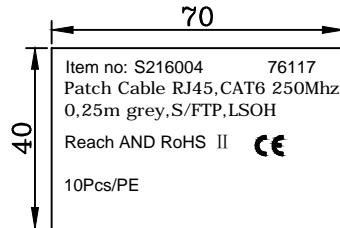
bag thickness single side: 0.05mm

CE length and height Must > 5mm

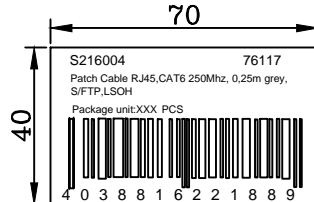
Labeling example 1



Labeling example 2



Labeling example 3

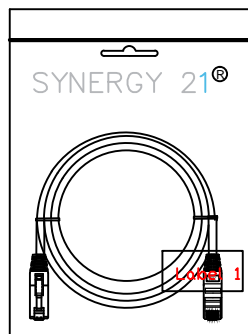


master mark

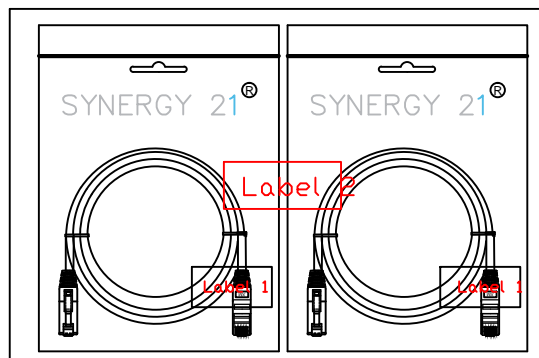
side mark

PO NO. :  
Cat. 6 S/FTP  
Length:  
Colour:  
C/NO. :  
REACH+RoHS 2.0 Compliant  
MADE IN CHINA

Item no:  
Cat. 6 S/FTP  
Length:  
Colour:  
Q' TY:  
N. W:  
G. W:  
MEAS:

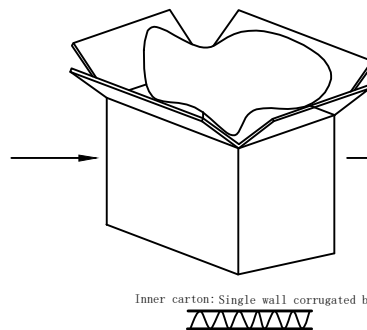


1pcs/SYNERGY 21 Bag+label 1



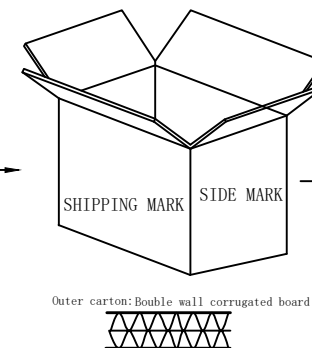
L ≤ 5M: 1pcs/SYNERGY 21 Bag+label 1, 10pcs/pe bag+label 2  
5m < L ≤ 10M: 1pcs/SYNERGY 21 Bag+label 1, 5pcs/pe bag+label 2  
10m < L: 1pcs/SYNERGY 21 Bag+label 1, without pe bag

Inter Carton+waterproof bag

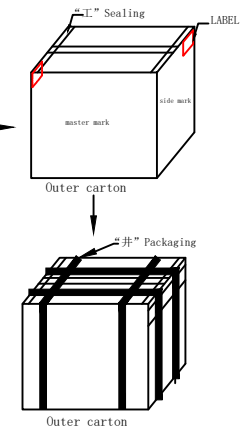


Inner carton: Single wall corrugated board

Outer Carton



Outer carton: Double wall corrugated board



Outer carton

SYNERGY 21

|     |     |                               |              |  |         |            |                      |            |            |            |         |      |
|-----|-----|-------------------------------|--------------|--|---------|------------|----------------------|------------|------------|------------|---------|------|
|     |     |                               |              |  |         | SYNERGY 21 |                      |            |            |            |         |      |
|     |     |                               | CUSTOMER     |  |         |            |                      | ITEM NO.   |            |            |         |      |
|     |     |                               | PRODUCT NAME |  | PACKING |            | 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 | 2015-01-20 |         |      |

# Zertifikat

Nr. z3340c-13-D

## Auftraggeber:

ALLNET GmbH  
Maistraße 2  
82110 Germering, Deutschland

## Kategorie 6

## Prüfling(e):

Anschluss- & Rangierschnur :  
**ALLNET Patchkabel RJ45 CAT6 250MHz S-STP(S/FTP), Synergy 21**  
Art.-Nr.: S216001-S216120 (0,25m ... 10m)

## Bewertungsstandard(s):

ISO/IEC 11801 Ed.2.2 (2011-06)  
IEC 61935-2 Ed. 3.0 (2010-07)

## Resultat:

Der Prüfling hält bei den im Prüfbericht genannten Prüfparametern die Grenzwerte der besagten Vorgabedokumente ein.

## Anschluss- & Rangierschnur, Kategorie 6

Die bei der Prüfung ermittelten Ergebnisse beziehen sich auf den beschriebenen und vom Auftraggeber vorgelegten Prüfling. Zukünftige technische Änderungen der geprüften Produkte unterliegen dem Verantwortungsbereich der Hersteller.

Dieses Zertifikat verweist auf den ausführlichen Prüfbericht Nr. **P3340c-13-D** und ist nur in Verbindung mit diesem gültig.

Bexbach, 21. August 2013



Dipl.-Ing. Dirk Wilhelm  
(Vorstandsvorsitzender)



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BEDINGT PRÄZISION IM DETAIL.