

**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

**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/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.

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		
SYNERGY 21	SYNERGY 21	SYNERGY 21	2016-01-08		

COLOR: WHITE		
ITEM	LENGTH/mm	PACKING
S215908	150±10	SYNERGY 21 A Bag
S216135	250±10	SYNERGY 21 A Bag
S216017	500±15	SYNERGY 21 A Bag
S216027	1000±30	SYNERGY 21 A Bag
S216036	1500±30	SYNERGY 21 A Bag
S216046	2000±30	SYNERGY 21 A Bag
S216056	3000±50	SYNERGY 21 A Bag
S216066	5000±200	SYNERGY 21 B Bag
S216075	7500±200	SYNERGY 21 B Bag
S216084	10000±200	SYNERGY 21 B Bag
S216093	15000±300	SYNERGY 21 C Bag
S216102	20000±300	SYNERGY 21 C Bag
S216111	25000±300	SYNERGY 21 C Bag
S216120	30000±300	SYNERGY 21 D Bag

COLOR: GREY PANTONE 421C		
ITEM	LENGTH/mm	PACKING
S215902	150±10	SYNERGY 21 A Bag
S216004	250±10	SYNERGY 21 A Bag
S216012	500±15	SYNERGY 21 A Bag
S216022	1000±30	SYNERGY 21 A Bag
S216031	1500±30	SYNERGY 21 A Bag
S216041	2000±30	SYNERGY 21 A Bag
S216051	3000±50	SYNERGY 21 A Bag
S216061	5000±200	SYNERGY 21 B Bag
S216070	7500±200	SYNERGY 21 B Bag
S216079	10000±200	SYNERGY 21 B Bag
S216088	15000±300	SYNERGY 21 C Bag
S216097	20000±300	SYNERGY 21 C Bag
S216106	25000±300	SYNERGY 21 C Bag
S216115	30000±300	SYNERGY 21 D Bag
S216133	40000±500	SYNERGY 21 D Bag
S216134	50000±500	SYNERGY 21 D Bag

COLOR: RED PANTONE 199C		
ITEM	LENGTH/mm	PACKING
S215906	150±10	SYNERGY 21 A Bag
S216007	250±10	SYNERGY 21 A Bag
S216016	500±15	SYNERGY 21 A Bag
S216026	1000±30	SYNERGY 21 A Bag
S216035	1500±30	SYNERGY 21 A Bag
S216045	2000±30	SYNERGY 21 A Bag
S216055	3000±50	SYNERGY 21 A Bag
S216065	5000±200	SYNERGY 21 B Bag
S216074	7500±200	SYNERGY 21 B Bag
S216083	10000±200	SYNERGY 21 B Bag
S216092	15000±300	SYNERGY 21 C Bag
S216101	20000±300	SYNERGY 21 C Bag
S216110	25000±300	SYNERGY 21 C Bag
S216119	30000±300	SYNERGY 21 D Bag

COLOR: ORANGE PANTONE 1575C		
ITEM	LENGTH/mm	PACKING
S215905	150±10	SYNERGY 21 A Bag
S216006	250±10	SYNERGY 21 A Bag
S216015	500±15	SYNERGY 21 A Bag
S216025	1000±30	SYNERGY 21 A Bag
S216034	1500±30	SYNERGY 21 A Bag
S216044	2000±30	SYNERGY 21 A Bag
S216054	3000±50	SYNERGY 21 A Bag
S216064	5000±200	SYNERGY 21 B Bag
S216073	7500±200	SYNERGY 21 B Bag
S216082	10000±200	SYNERGY 21 B Bag
S216091	15000±300	SYNERGY 21 C Bag
S216100	20000±300	SYNERGY 21 C Bag
S216109	25000±300	SYNERGY 21 C Bag
S216118	30000±300	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		

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

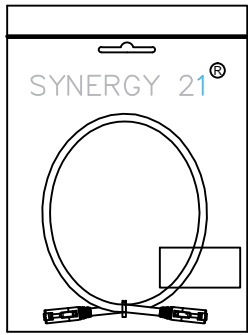
COLOR:YELLOW PANTONE 135C		
ITEM	LENGTH/mm	PACKING
S215901	150±10	SYNERGY 21 A Bag
S216003	250±10	SYNERGY 21 A Bag
S216011	500±15	SYNERGY 21 A Bag
S216020	1000±30	SYNERGY 21 A Bag
S216030	1500±30	SYNERGY 21 A Bag
S216039	2000±30	SYNERGY 21 A Bag
S216049	3000±50	SYNERGY 21 A Bag
S216059	5000±200	SYNERGY 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	
						ADD 0.15M	2016-10-25	A1				
						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	

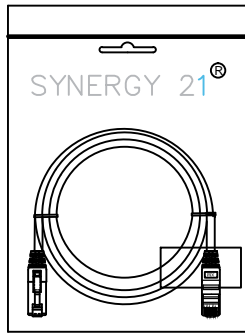
COLOR:BLUE PANTONE 647C		
ITEM	LENGTH/mm	PACKING
S215900	150±10	SYNERGY 21 A Bag
S216002	250±10	SYNERGY 21 A Bag
S216009	500±15	SYNERGY 21 A Bag
S216019	1000±30	SYNERGY 21 A Bag
S216029	1500±30	SYNERGY 21 A Bag
S216038	2000±30	SYNERGY 21 A Bag
S216048	3000±50	SYNERGY 21 A Bag
S216058	5000±200	SYNERGY 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

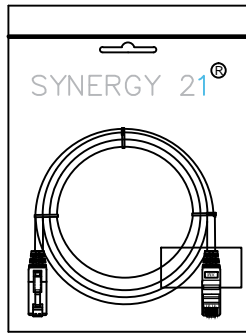
					SYNERGY 21					
					CUSTOMER NO.		ITEM NO.	SEE THE CHART		
		ADD 0.15M	2016-10-25	A1	PRODUCT NAME	CAT. 6 S/FTP PATCH CORD	manufacture country:	CHINA	UNIT	MM
		NEW	2015-01-20	A	DRAWNBY	CHECKBY	APPOBY	DATE		
BY	CHK	REVISION RECORD MODIFICATIONS	DATE	REV.	SYNERGY 21	SYNERGY 21	SYNERGY 21	2015-01-20		



L ≤ 0.5M



0.5M < L ≤ 7.5

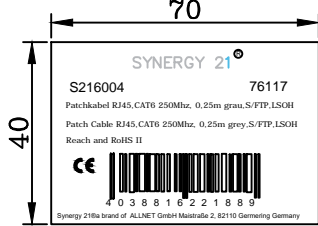


7.5 < L

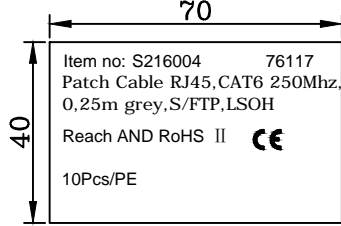
SYNERGY 2: Colour pantone 877C  
 1: Colour pantone 298C  
 ®: Colour pantone Black  
 bag thickness single side: 0.05mm

CE length and height Must > 5mm

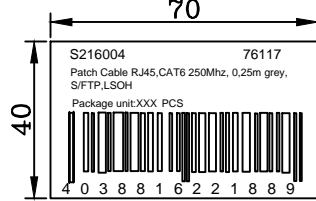
Labeling example 1



Labeling example 2



Labeling example 3

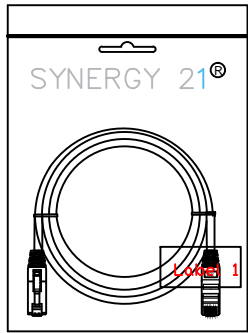


master mark

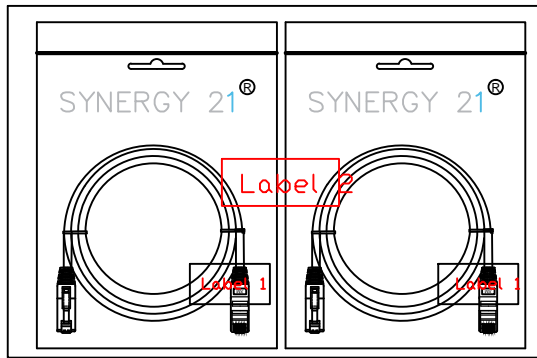
side mark

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:

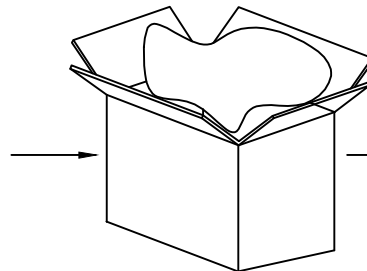


1pcs/SYNERGY 21 Bag+label 1



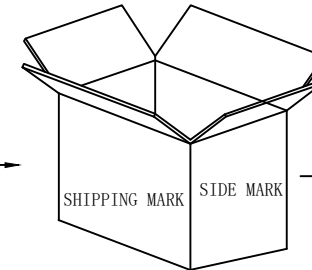
L ≤ 5M: 1pcs/SYNERGY 21 Bag+label 1, 10pcs/pe bag+label 2  
 5m < L ≤ 10M: 1pcs/SYNERGY 21 Bag+label 1, 5pcs/pe bag+label 2  
 10m < L: 1pcs/SYNERGY 21 Bag+label 1, without pe bag

Inter Carton+waterproof bag

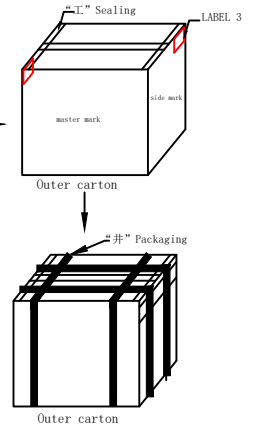


Inner carton: Single wall corrugated board

Outer Carton



Outer carton: Double wall corrugated board



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	
								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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HOCHVERFÜGBARKEIT IM GANZEN  
BEDINGT PRÄZISION IM DETAIL.