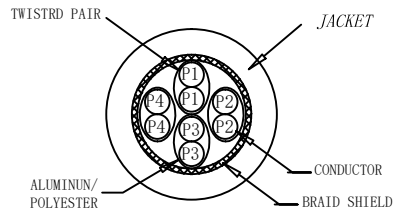
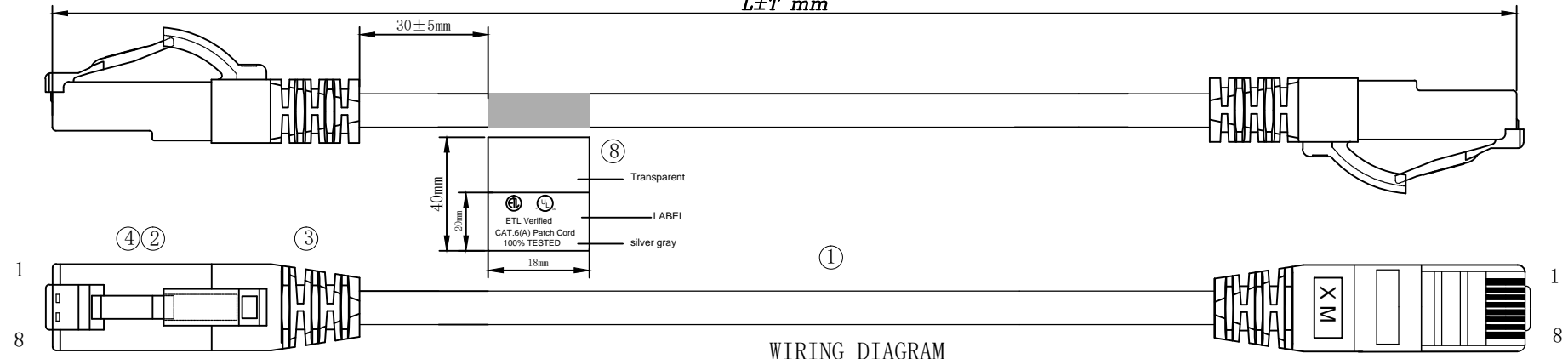
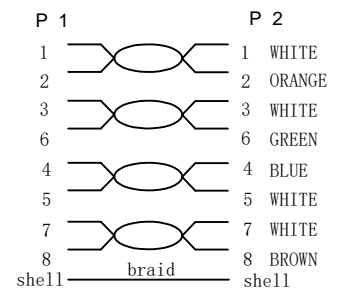


L±T mm



WIRING DIAGRAM



MATERIAL LIST:

⑧	CABLE LABEL	No Dry Glue Label Color:silver grey + Transparent	1PCS	
⑦	PE BAG	SYNERGY 21 SLIP PE BAG	1PCS	
⑥	LABEL	NO DRY GLUE LABEL	1PCS	
⑤	MINI TIE	PE MINI TIE(POSSESS METAL)	2PCS	
④	Insert	(I 1.1 V2)POLYCARBONATE INSERT 6+2 TRANSPARENT	2PCS	
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/90A 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:CAT.6A channel test with four connectors  
TEST LIMIT:ISO11801 Channel Class EA
- Working temperature:-10°C ~ + 60°C
- Storage temperature:-20°C~+75°C
- ROHS2.0 AND REACH COMPLIANT
- Support PoE+ per IEEE 802.3at, Max to 30 Watt
- SPRAY WORD:CAT. 6A S/FTP LSZH 500MHz ISO/IEC 11801 & EN 50173-1 & ANSI/TIA-568-C. 2 www. Synergy21. de **CE**
- PACKING: 1PCS+Test Report /SYNERGY 21 SLIP PE BAG+LABEL

SYNERGY 21

		ADD POE Information		2017-02-06	A2	CUSTOMER		ITEM NO.	See The Chart		
		ADD "CE" AMRK IN THE PRINT, CHANGE OD 6.5MM TO 6.2MM		2016-01-11	A1	PRODUCT NAME	CAT. 6A S/FTP PATCH CORD	manufacture country:	CHINA	UNIT	MM
		NEW		2016-01-08	A	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

		Add 0.15m	2016-10-25	A4	SYNERGY 21					
		Change 7/0.15BC TO 7/0.145BC ADN BRAID 80 TO 64	2015-10-15	A3						
		Change gray colour warm gray 3C to 421C	2015-06-15	A2	CUSTOMER		ITEM NO.	See The Chart		
		Change copper shell to iron shell	2015-06-10	A1	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.				2015-01-20		

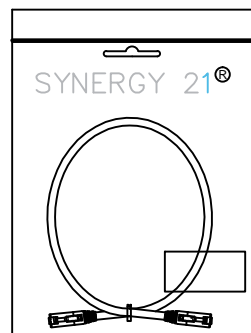
COLOR:RED PANTONE 199C		
ITEM	LENGTH/mm	PACKING
S216394	150±10	SYNERGY 21 A Bag
S216460	250±10	SYNERGY 21 A Bag
S216461	500±15	SYNERGY 21 A Bag
S216462	1000±20	SYNERGY 21 B Bag
S216463	1500±30	SYNERGY 21 B Bag
S216464	2000±30	SYNERGY 21 B Bag
S216465	3000±50	SYNERGY 21 B Bag
S216466	5000±100	SYNERGY 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

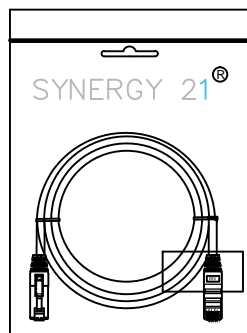
COLOR:BLACK PANTONE BLACK 3C		
ITEM	LENGTH/mm	PACKING
S216396	150±10	SYNERGY 21 A Bag
S216490	250±10	SYNERGY 21 A Bag
S216491	500±15	SYNERGY 21 A Bag
S216492	1000±20	SYNERGY 21 B Bag
S216493	1500±30	SYNERGY 21 B Bag
S216494	2000±30	SYNERGY 21 B Bag
S216495	3000±50	SYNERGY 21 B Bag
S216496	5000±100	SYNERGY 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
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

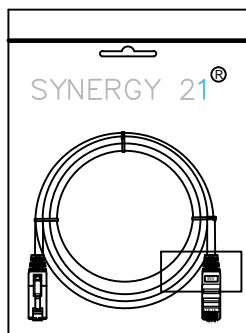
		Add 0.15m	2016-10-25	A4	SYNERGY 21					
		Change 7/0.15BC TO 7/0.145BC ADN BRAID 80 TO 64	2015-10-15	A3						
		Change gray colour warm gray 3C to 421C	2015-06-15	A2	CUSTOMER		ITEM NO.	See The Chart		
		Change copper shell to iron shell	2015-06-10	A1	PRODUCT NAME	CAT. 6A S/FTP PATCH CORD	manufacture 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	2015-01-20		



L ≤ 0.5M

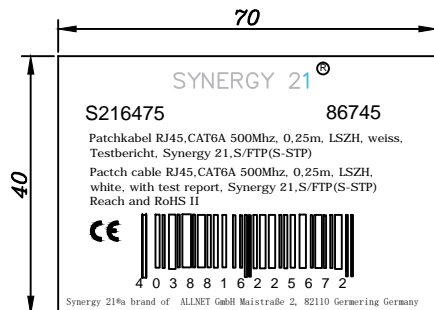


0.5M < L ≤ 7.5

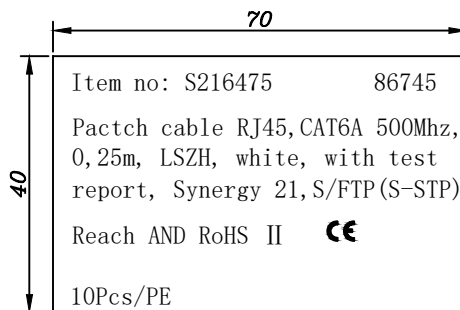


7.5 < L

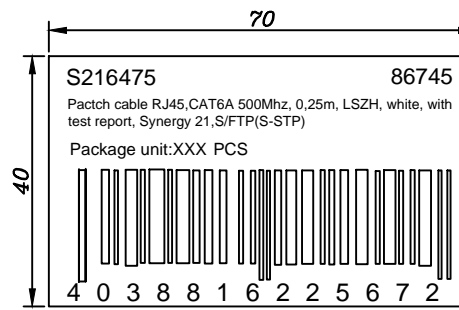
Labeling example 1



Labeling example 2



Labeling example 3



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

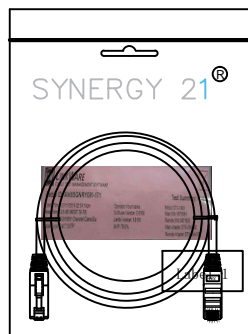
CE length and height Must > 5mm

master mark

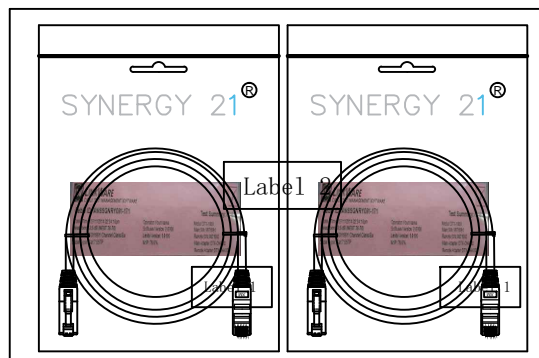
side mark

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

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

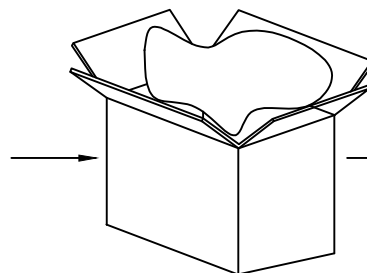


1pcs/SYNERGY 21 Bag+test report+label 1



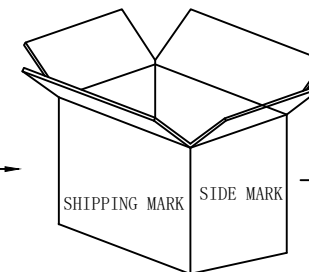
L ≤ 5M: 1pcs/SYNERGY 21 Bag+test report+label 1, 10pcs/pe bag+label 2  
 5m < L ≤ 10M: 1pcs/SYNERGY 21 Bag+test report+label 1, 5pcs/pe bag+label 2  
 10m < L: 1pcs/SYNERGY 21 Bag+label 1, without pe bag

Inter Carton+waterproof bag

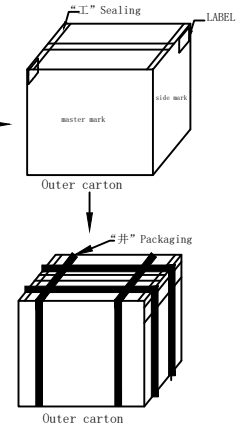


Inner carton: Single wall corrugated board

Outer Carton



Outer carton: Double wall corrugated board



# SYNERGY 21

		Change gray colour warm gray 3C to 421C	2015-06-15	A2	CUSTOMER		ITEM NO.	See The Chart	
		Change copper shell to iron shell	2015-06-10	A1	PRODUCT NAME	PACKING	manufacture country:	CHINA	UNIT
		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. z3341c-13-D

## Auftraggeber:

ALLNET GmbH  
Maistraße 2  
82110 Germering, Deutschland

## Kategorie 6A

## Prüfling(e):

Anschluss- & Rangierschnur :  
**ALLNET Patchkabel RJ45 CAT6A 500Mhz S-STP(S/FTP), Synergy 21**  
Art.-Nr.: S216400-S216519 (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 6a

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. P3341c-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.