



3P Certified CAT.6A S/FTP 26AWG LSZH 500MHz ISO/IEC 11801 Class Ea Channel Link 100% tested &EN 50173-1 & ANSI/TIA-568-C.2 www.Synergy21.de **CE**



WIRING DIAGRAM



MATERIAL LIST:

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 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 LIMIT:ISO11801 Channel Class EA
- 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)

SYNERGY 21

Hasia		change "ROSH 2.0" to "ROSH 3.0"	2022-02-25	A9						
		Add IEC60332-1-2	2021-01-23	A8						
		Change the spray word	2021-01-08	A7						
		Change the spray word	2019-11-14	A6						
		Increase the minimum bend radius	2018-09-05	A5						
		CHANGE PACKING AND BOX MARK	2018-03-09	A4						
		CHANGE SPRAY WORD	2017-07-07	A3	CUSTOMER		ITEM NO.	See The Chart		
		ADD POE Information	2017-02-06	A2	PRODUCT NAME	CAT.6A S/FTP 26AWG LSZH PATCH CORD	manufacture country:	CHINA	UNIT	MM
		ADD "CE" AMRK IN THE PRINT,CHANGE OD 6.5MM TO 6.2MM	2016-01-11	A1	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

## SYNERGY 21

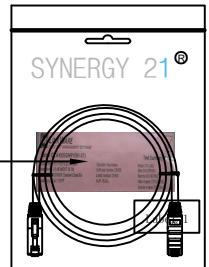
						CUSTOMER		ITEM NO.	See The Chart		
						PRODUCT NAME	CAT. 6A S/FTP PATCH CORD	manufacture country:	CHINA	UNIT	MM
			NEW	2015-01-20	A	DRAWNBY	CHECKBY	APPROVE	DATE		
BY	CHK	REVISION RECORD MODIFICATIONS			DATE	REV.	SYNERGY 21	SYNERGY 21	SYNERGY 21	2016-01-08	

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
S216520	150±5	SYNERGY 21 A Bag
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



Test report

## SYNERGY 21

		CUSTOMER		ITEM NO.		See The Chart	
		PRODUCT NAME		CAT. 6A S/FTP PATCH CORD		manufacture country:	
		NEW		2015-01-20		CHINA	
		A		DRAWNBY		CHECKBY	
		DATE		REV.		APPROVE	
BY		CHK		SYNERGY 21		DATE	
		REVISION RECORD MODIFICATIONS		SYNERGY 21		2016-01-08	
				SYNERGY 21		SYNERGY 21	