

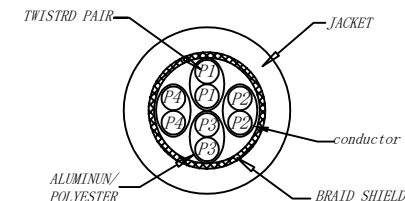
L ± T mm



CAT.6A S/FTP 26AWG COMPONENT LSZH 500MHz ISO PATCH CORD CAT6A  
100% tested & EN 50173-1 & ANSI/TIA-568-C.2 www.Synergy21.de **CE**



WIRING DIAGRAM



MATERIAL LIST:

③	OVER MOLD	PVC 75A	8PCS	
○	PLUG	RJ45 8P8C Shielded Plug, Pin Gold Plated 3u", Shell Nickel Plating , Transparent Blue	2PCS	
⊙	CABLE	S/FTP CAT. 6A 26AWG (BC+AL-FOIL)*4PAIR+Braid (AL-MG)+ JACKET:LSZH OD:6.0±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:Component test, ISO PATCH CORD CAT6A XXM
- 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)
- GHMT Certificate no. c7536b-22

		Update label	2022-09-07	A3	SYNERGY 21					
Hasia		change "ROSH 2.0" to "ROSH 3.0"	2022-02-25	A2					CUSTOMER	
		Add IEC60332-1-2	2021-01-23	A1	PRODUCT NAME	CAT. 6A S/FTP 26AWG LSZH COMPONENT	manufacture country:	CHINA	UNIT	MM
		NEW	2019-02-25	A	DRAWNBY	CHECKBY	APPROVE	DATE		
BY	CHK	REVISION RECORD MODIFICATIONS	DATE	REV.	SYNERGY 21	SYNERGY 21	SYNERGY 21	2019-02-25		

Chart:

COLOR:GREY RAL 7035		
ITEM	LENGTH/mm	PACKING
S217111	500±15	SYNERGY 21 A Bag
S217112	1000±20	SYNERGY 21 B Bag
S217113	1500±30	SYNERGY 21 B Bag
S217114	2000±30	SYNERGY 21 B Bag
S217115	3000±50	SYNERGY 21 B Bag
S217116	5000±100	SYNERGY 21 B Bag
S217117	7500±200	SYNERGY 21 B Bag
S217118	10000±200	SYNERGY 21 C Bag
S217119	15000±300	SYNERGY 21 C Bag
S217120	20000±300	SYNERGY 21 C Bag

COLOR:BLACK Pantone black 3C		
ITEM	LENGTH/mm	PACKING
S217122	500±15	SYNERGY 21 A Bag
S217123	1000±20	SYNERGY 21 B Bag
S217124	1500±30	SYNERGY 21 B Bag
S217125	2000±30	SYNERGY 21 B Bag
S217126	3000±50	SYNERGY 21 B Bag
S217127	5000±100	SYNERGY 21 B Bag
S217128	7500±200	SYNERGY 21 B Bag
S217129	10000±200	SYNERGY 21 C Bag
S217130	15000±300	SYNERGY 21 C Bag
S217131	20000±300	SYNERGY 21 C Bag

COLOR:BLUE Pantone 647C		
ITEM	LENGTH/mm	PACKING
S217133	500±15	SYNERGY 21 A Bag
S217134	1000±20	SYNERGY 21 B Bag
S217135	1500±30	SYNERGY 21 B Bag
S217136	2000±30	SYNERGY 21 B Bag
S217137	3000±50	SYNERGY 21 B Bag
S217138	5000±100	SYNERGY 21 B Bag
S217139	7500±200	SYNERGY 21 B Bag
S217140	10000±200	SYNERGY 21 C Bag
S217141	15000±300	SYNERGY 21 C Bag
S217142	20000±300	SYNERGY 21 C Bag

COLOR:WHITE RAL9003		
ITEM	LENGTH/mm	PACKING
S217144	500±15	SYNERGY 21 A Bag
S217145	1000±20	SYNERGY 21 B Bag
S217146	1500±30	SYNERGY 21 B Bag
S217147	2000±30	SYNERGY 21 B Bag
S217148	3000±50	SYNERGY 21 B Bag
S217149	5000±100	SYNERGY 21 B Bag
S217150	7500±200	SYNERGY 21 B Bag
S217151	10000±200	SYNERGY 21 C Bag
S217152	15000±300	SYNERGY 21 C Bag
S217153	20000±300	SYNERGY 21 C Bag



**Cable ID: Item No** **Test Summary: PASS**

Date / Time: 02-20-2019 9:08:01    Operator: QC    Model: DTX-1800

Headroom: 1.7 1.2 dB NEXT(36.78)    Software Version: 2.7800    Main S/N: 9781211

Test Limit: ISO Patch Cord Cat6A 0.5m    Limits Version: 1.9500    Remote S/N: 9781212

Cable Type: Cat 7 S/FTP    Calibration Date:    Main Adapter: DTX-PC6A/MN ISO/IEC

NVP: 76.0%    Main (Tester): 09/26/2016    Remote Adapter: DTX-PC6A/SR ISO/IEC

Remote (Tester): 09/26/2016



		Update label	2022-09-07	A3	<b>SYNERGY 21</b>					
Hasia		change "ROSH 2.0" to "ROSH 3.0"	2022-02-25	A2	CUSTOMER		ITEM NO.	See The Chart		
		Add IEC60332-1-2	2021-01-23	A1	PRODUCT NAME	CAT. 6A S/FTP PATCH CORD COMPONENT	manufacture country:	CHINA	UNIT	MM
		NEW	2019-02-25	A	DRAWNBY	CHECKBY	APPROVE	DATE		
BY	CHK	REVISION RECORD MODIFICATIONS	DATE	REV.	SYNERGY 21	SYNERGY 21	SYNERGY 21	2019-02-25		

COLOR:ORANGE Pantone 1575C		
ITEM	LENGTH/mm	PACKING
S217155	500±15	SYNERGY 21 A Bag
S217156	1000±20	SYNERGY 21 B Bag
S217157	1500±30	SYNERGY 21 B Bag
S217158	2000±30	SYNERGY 21 B Bag
S217159	3000±50	SYNERGY 21 B Bag
S217160	5000±100	SYNERGY 21 B Bag
S217161	7500±200	SYNERGY 21 B Bag
S217162	10000±200	SYNERGY 21 C Bag
S217163	15000±300	SYNERGY 21 C Bag
S217164	20000±300	SYNERGY 21 C Bag

COLOR:PINK Pantone 212C		
ITEM	LENGTH/mm	PACKING
S217166	500±15	SYNERGY 21 A Bag
S217167	1000±20	SYNERGY 21 B Bag
S217168	1500±30	SYNERGY 21 B Bag
S217169	2000±30	SYNERGY 21 B Bag
S217170	3000±50	SYNERGY 21 B Bag
S217171	5000±100	SYNERGY 21 B Bag
S217172	7500±200	SYNERGY 21 B Bag
S217173	10000±200	SYNERGY 21 C Bag
S217174	15000±300	SYNERGY 21 C Bag
S217175	20000±300	SYNERGY 21 C Bag

COLOR:GREEN Pantone 3278C		
ITEM	LENGTH/mm	PACKING
S217177	500±15	SYNERGY 21 A Bag
S217178	1000±20	SYNERGY 21 B Bag
S217179	1500±30	SYNERGY 21 B Bag
S217180	2000±30	SYNERGY 21 B Bag
S217181	3000±50	SYNERGY 21 B Bag
S217182	5000±100	SYNERGY 21 B Bag
S217183	7500±200	SYNERGY 21 B Bag
S217184	10000±200	SYNERGY 21 C Bag
S217185	15000±300	SYNERGY 21 C Bag
S217186	20000±300	SYNERGY 21 C Bag

COLOR:YELLOW Pantone 135C		
ITEM	LENGTH/mm	PACKING
S217188	500±15	SYNERGY 21 A Bag
S217189	1000±20	SYNERGY 21 B Bag
S217190	1500±30	SYNERGY 21 B Bag
S217191	2000±30	SYNERGY 21 B Bag
S217192	3000±50	SYNERGY 21 B Bag
S217193	5000±100	SYNERGY 21 B Bag
S217194	7500±200	SYNERGY 21 B Bag
S217195	10000±200	SYNERGY 21 C Bag
S217196	15000±300	SYNERGY 21 C Bag
S217197	20000±300	SYNERGY 21 C Bag

COLOR:RED Pantone 199C		
ITEM	LENGTH/mm	PACKING
S217199	500±15	SYNERGY 21 A Bag
S217200	1000±20	SYNERGY 21 B Bag
S217201	1500±30	SYNERGY 21 B Bag
S217202	2000±30	SYNERGY 21 B Bag
S217203	3000±50	SYNERGY 21 B Bag
S217204	5000±100	SYNERGY 21 B Bag
S217205	7500±200	SYNERGY 21 B Bag
S217206	10000±200	SYNERGY 21 C Bag
S217207	15000±300	SYNERGY 21 C Bag
S217208	20000±300	SYNERGY 21 C Bag

		Update label	2022-09-07	A3	SYNERGY 21					
Hasia		change "ROSH 2.0" to "ROSH 3.0"	2022-02-25	A2	CUSTOMER		ITEM NO.	See The Chart		
		Add IEC60332-1-2	2021-01-23	A1	PRODUCT NAME	CAT. 6A S/FTP PATCH CORD COMPONENT	manufacture country:	CHINA	UNIT	MM
		NEW	2019-02-25	A	DRAWNBY	CHECKBY	APPROVE	DATE		
BY	CHK	REVISION RECORD MODIFICATIONS	DATE	REV.	SYNERGY 21	SYNERGY 21	SYNERGY 21	2019-02-25		

## Zertifikat

Nr. z7536b-22

### Auftraggeber:

ALLNET Computersysteme GmbH  
Maistrasse 2  
82110 Germering, Deutschland

Kategorie 6A

### Prüfling(e):

Symmetrische Kupferschnur:  
**Patch cable RJ45, CAT6A 500Mhz, Xm, color S/FTP, component test with certificate, with test report, Synergy 21**

### Art.-Nr.:

S217144-S217153 (0,5m-20m) weiß  
S217155-S217164 (0,5m-20m) orange  
S217166-S217175 (0,5m-20m) rosa  
S217122-S217131 (0,5m-20m) schwarz  
S217199-S217208 (0,5m-20m) rot  
S217188-S217197 (0,5m-20m) gelb  
S217111-S217120 (0,5m-20m) grau  
S217133-S217142 (0,5m-20m) blau  
S217177-S217186 (0,5m-20m) grün

### Bewertungsstandard(s):

ISO/IEC 11801-1 Ed.1.0 (2017-11)  
IEC 61935-2 Ed.3.0 (2010-07)

### Resultat:

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

## Symmetrische Kupferschnur, Kategorie 6A

## GHMT Type Approval

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

Dieses Zertifikat verweist auf den ausführlichen Prüfbericht Nr. **R7536b-22** und ist nur in Verbindung mit diesem gültig. Dieses Zertifikat ist nach Prüfdatum 24 Monate gültig.

Bexbach, 05. September 2022



Dipl.-Ing. Dirk Wilhelm  
(Vorstandsvorsitzender)

### GHMT AG

In der Kolling 320  
D-66450 Bexbach

Postfach 11 16  
D-66442 Bexbach

T: +49 6826 92 28-0  
F: +49 6826 92 28-290

info@ghmt.de  
www.ghmt.de



Durch die DAKKS nach DIN EN ISO/IEC 17025:2018 akkreditiertes Prüflaboratorium.  
Die Akkreditierung gilt für die in der Urkunde (D-PL-17559-01-00) aufgeführten Prüfverfahren.

**HOCHVERFÜGBARKEIT IM GANZEN  
BEDINGT PRÄZISION IM DETAIL.**