

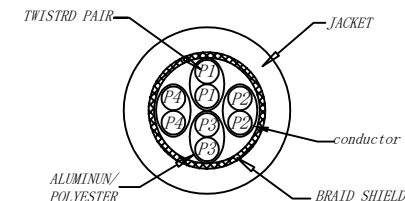
L ± T mm



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	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		

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
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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

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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.**