

**MATERIAL LIST:**

⑨	S/N barcode label	1pcs	
⑧	LC Dust Cap white	16pcs	
⑦	Fanout Splitter with heat shrink tube	2pcs	
⑥	Fanout cable OD 2.0mm Erika violet	16pcs	
⑤	Ring 1 2 3 4 5 6 7 8	16pcs	
④	LC White 2.0 Boot	16pcs	
③	LC MM Simplex Connector With Clip Erika violet	16pcs	
②	LC/UPC MM Ferrule	16pcs	
①	Universal Fiber Optical Cable 8C OM4 50/125 LSZH 6.0mm Black, CPR Dca	L	
NO.		QT' Y	REMARK

Note:  
 1. ROHS 3.0 and REACH Compliant  
 2. Test:

Test Grade Designation:Each to Reference		
Grade IL/RL	Standard	
Insertion Loss (IL)	≤0.3dB	IEC 61300-3-4
Return Loss (RL)	≥30dB	IEC 61300-3-6
Test Wavelength	850nm	Multi-mode
End face inspection	×400	

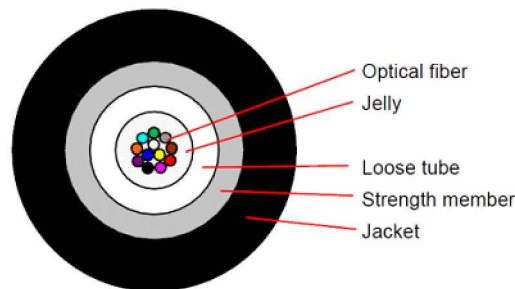
3. Packing:1pc/PE BAG+serial number sticker+test report+manual+CPR CE label

ITEM NO.	EAN	Artikel NO.	Length(m)	Package
S217070	4038816116192	207871	10	1pc/PE bag
S217071	4038816116215	207872	20	1pc/PE bag
S217072	4038816116222	207873	30	1pc/PE bag
S217073	4038816116239	207874	40	1pc/PE bag
S217074	4038816116307	207875	50	1pc/Drum
S217075	4038816116406	207876	60	1pc/Drum
S217076	4038816116420	207877	70	1pc/Drum
S217077	4038816116468	207878	80	1pc/Drum
S217078	4038816116482	207879	90	1pc/Drum
S217079	4038816207893	207880	100	1pc/Drum
S217080	4038816116505	207881	110	1pc/Drum
S217081	4038816116512	207882	120	1pc/Drum
S217082	4038816116529	207883	130	1pc/Drum
S217083	4038816116536	207884	140	1pc/Drum
S217084	4038816116543	207885	150	1pc/Drum
S217085	4038816116550	207886	160	1pc/Drum
S217086	4038816116558	207887	170	1pc/Drum
S217087	4038816116604	207888	180	1pc/Drum
S217088	4038816116628	207889	190	1pc/Drum
S217089	4038816207890	207890	200	1pc/Drum

**SYNERGY21**

Fan	Fan	Add size	2023-9-20	A1	CUSTOMER		ITEM NO.			
BY	CHK	REVISION RECORD MODIFICATIONS	2021-8-30	AO	PRODUCT NAME	Universal LC/UPC-LC/UPC OM4 8C 6.0mm, CPR Dca	manufacture country	CHINA	UNIT	MM
			DATE	REV.	DRAWNBY	CHECKBY	APPOBY	DATE		
					SYNERGY21	SYNERGY21	SYNERGY21	2021-8-30		

Cable cross-section:



Cable structure and parameter:

Item	Contents	Unit	Value		
Optical Fiber	/	/	4	8	12
Loose tube	Diameter	mm	3.0±0.1		
	Material	/	PBT		
	Filler	/	Jelly		
Strength member	Material	/	Water blocking glass yarn		
	Diameter	mm	6.0±0.2		
Outer jacket	Material	/	LSZH		
	Color	/	Black		
	Tensile performance	Short term	N		
Crush	Short term	N/100mm	1500		
Cable attenuation		dB/km	≅ 1.0 at 1300nm, ≅ 3.0 at 850nm		
Cable weight (Approx.)		kg/km	40.5		

1. Universal indoor and outdoor cable

- UV resistant IEC 60794-1-22-F14/ISO 4892-3
- Longitudinally waterproof IEC 60794-1-22-F5B, Time:24h H:1m L:<3m
- Anti-rat bite, Yes
- Cable :IEC 60793-2, IEC 11801
- Cable Main mechanical & environmental performance test:IEC 60794-1-2
- LC Connector:IEC 61754-20
- Fiber optic performance standard:IEC 61753-1, IEC 61753-122-2, IEC 61753-222-2
- Halogen free:IEC 60754-1
- Smoke density:IEC 61034-2
- Flame retardant:EN 60332-1-2, EN 50399 of CPR Dca

2. Outer jacket:LSZH, Black

3. Tensile short term:800N

4. Crush short term:1500 N/100mm

5. Min. bending radius

Static: 10 x cable diameter

Dynamic: 20 x cable diameter

6. Application temperature range

Operation: -40°C ~ +70°C

Installation: -20°C ~ +55°C

Storage/transportation: -40°C ~ +70°C

OM4 Characteristic of Optical Fiber:

Item	Unit	Specification	
		OM4 <sup>o</sup>	
Core diameter <sup>o</sup>	μm <sup>o</sup>	50±2.5 <sup>o</sup>	
Cladding diameter <sup>o</sup>	μm <sup>o</sup>	124.8± 0.7 <sup>o</sup>	
Cladding non-circularity <sup>o</sup>	% <sup>o</sup>	≤1.0 <sup>o</sup>	
Core/Clad concentricity error <sup>o</sup>	μm <sup>o</sup>	≤1.5 <sup>o</sup>	
Coating diameter <sup>o</sup>	μm <sup>o</sup>	245 ± 10 <sup>o</sup>	
Coating/cladding concentricity error <sup>o</sup>	μm <sup>o</sup>	≤12 <sup>o</sup>	
OFL Bandwidth <sup>o</sup>	850nm <sup>o</sup>	MHz.km <sup>o</sup>	≥ 3500 <sup>o</sup>
	1300nm <sup>o</sup>	MHz.km <sup>o</sup>	≥ 500 <sup>o</sup>
EMB Bandwidth <sup>o</sup>	850nm <sup>o</sup>	MHz.km <sup>o</sup>	≥ 4700 <sup>o</sup>
Attenuation Coefficient <sup>o</sup>	850nm <sup>o</sup>	dB/km <sup>o</sup>	≤2.4 <sup>o</sup>
	1300nm <sup>o</sup>	dB/km <sup>o</sup>	≤0.6 <sup>o</sup>
Macro-bend loss (100turn, 75mm radius) <sup>o</sup>	850nm <sup>o</sup>	dB <sup>o</sup>	≤0.5 <sup>o</sup>
	1300nm <sup>o</sup>	dB <sup>o</sup>	≤0.5 <sup>o</sup>
Proof stress level <sup>o</sup>		kpsi <sup>o</sup>	100 <sup>o</sup>
Effective group index of refraction <sup>o</sup>	850nm <sup>o</sup>	/ <sup>o</sup>	1.483 <sup>o</sup>
	1300nm <sup>o</sup>	/ <sup>o</sup>	1.478 <sup>o</sup>
Zero dispersion wavelength λ <sub>0</sub> <sup>o</sup>		nm <sup>o</sup>	1295 ≅ λ <sub>0</sub> ≅ 1340 <sup>o</sup>

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					PRODUCT NAME	Universal LC/UPC-LC/UPC OM4 8C 6.0mm,CPR Dca	manufacture country	CHINA UNIT MM
		NEW	2021-8-30	A	DRAWNBY	CHECKBY	APPOBY	DATE
BY	CHK	REVISION RECORD MODIFICATIONS	DATE	REV.	SYNERGY21	SYNERGY21	SYNERGY21	2021-8-30

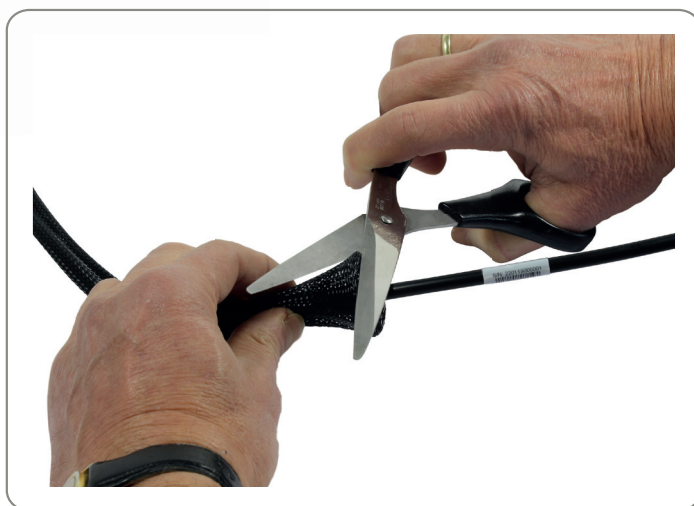
# Kurzanleitung

## Demontage des Gewebeschauchs

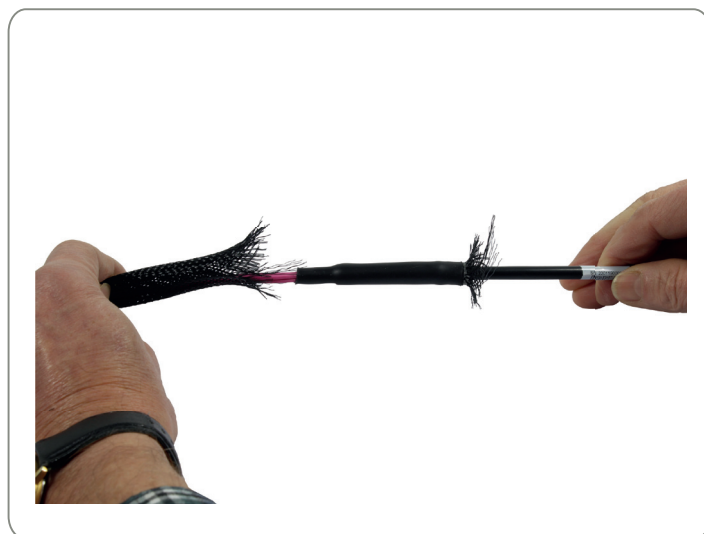
# SYNERGY 21



**1** Leichtes zurückschieben des Gewebeschauches



**2** Abschneiden des Gewebeschauchs  
**Wichtig:** Keine LWL-Faser beschädigen



**3** Abziehen der Gewebeschauch-Einziegshilfe

