

Note:
 1. ROHS 3.0 and REACH Compliant
 2. Test: 100%

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
S217050	4068816207852	207851	10	1pc/PE bag
S217051	4068816115850	207852	20	1pc/PE bag
S217052	4068816113857	207853	30	1pc/PE bag
S217053	4068816113854	207854	40	1pc/PE bag
S217054	4068816115904	207855	50	1pc/Drum
S217055	4068816115911	207856	60	1pc/Drum
S217056	4068816115928	207857	70	1pc/Drum
S217057	4068816115942	207858	80	1pc/Drum
S217058	4068816115959	207859	90	1pc/Drum
S217059	4068816207869	207860	100	1pc/Drum
S217060	4068816115973	207861	110	1pc/Drum
S217061	4068816115990	207862	120	1pc/Drum
S217062	4068816115997	207863	130	1pc/Drum
S217063	4068816116024	207864	140	1pc/Drum
S217064	4068816116079	207865	150	1pc/Drum
S217065	4068816116096	207866	160	1pc/Drum
S217066	4068816116109	207867	170	1pc/Drum
S217067	4068816116126	207868	180	1pc/Drum
S217068	4068816116161	207869	190	1pc/Drum
S217069	4068816207876	207870	200	1pc/Drum

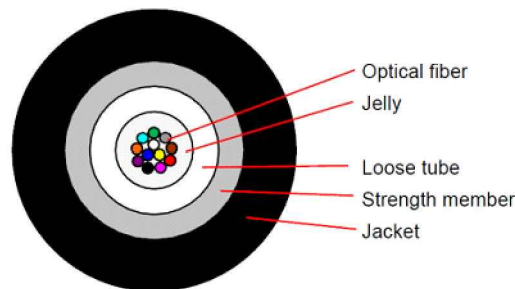
MATERIAL LIST:

Attention: drilling hole must do ≥20mm

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

SYNERGY21				
CUSTOMER	ITEM NO.	DATE	UNIT	MM
PRODUCT NAME: Universal LC/UPC-LC/UPC OM4 4C 6.0mm, CPR Dca	manufacture country: CHINA	2023-9-20	A1	
DRAWNBY: SYNERGY21	CHECKBY: SYNERGY21	2021-8-30	AO	
APPOBY: SYNERGY21	DATE: 2021-8-30	REVISION RECORD MODIFICATIONS	REV.	

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

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NEW				2021-8-30	A	DRAWNBY	CHECKBY	APPOBY	DATE		
BY	CHK	REVISION RECORD MODIFICATIONS		DATE	REV.	SYNERGY21	SYNERGY21	SYNERGY21	2021-8-30		

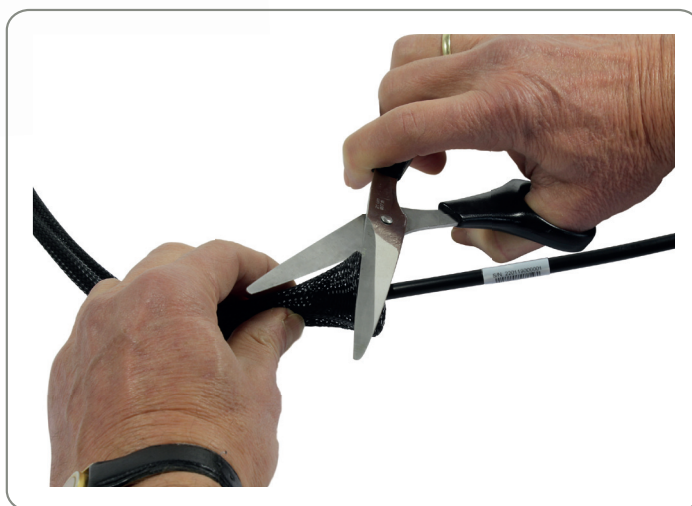
Kurzanleitung

Demontage des Gewebeschauchs

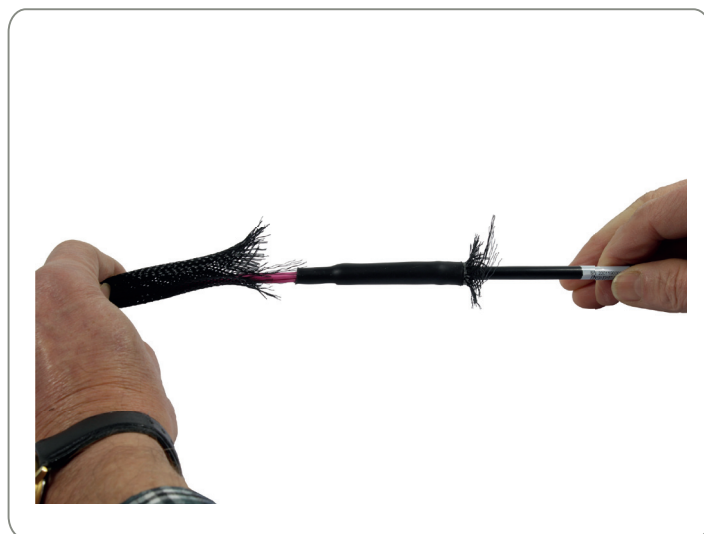
SYNERGY 21



1 Leichtes zurückschieben des Gewebeschauches



2 Abschneiden des Gewebeschauchs
Wichtig: Keine LWL-Faser beschädigen



3 Abziehen der Gewebeschauch-Einzieghilfe

