

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

MATERIAL LIST:

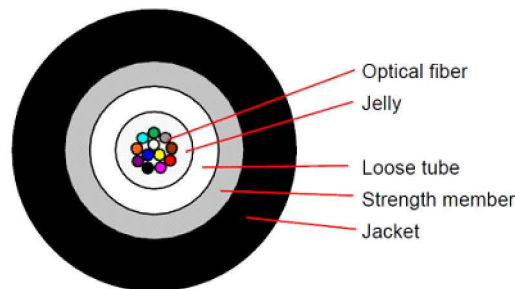
Attention: drilling hole must do ≥ 20mm

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	

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	4068816115980	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

SYNERGY21												
CUSTOMER		ITEM NO.										
Fan	Fan	Add size			2023-9-20	A1	PRODUCT NAME	Universal LC/UPC-LC/UPC OM4 4C 6.0mm, CPR Dca	manufacture country	CHINA	UNIT	MM
BY	CHK	REVISION RECORD MODIFICATIONS			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	800		
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

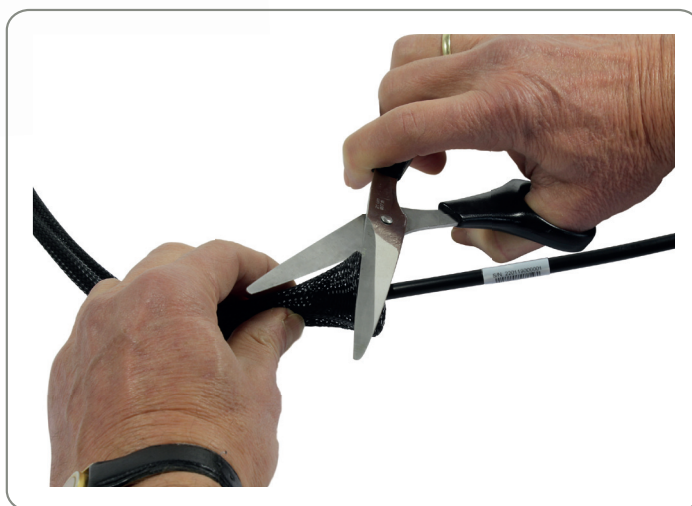
OM4 Characteristic of Optical Fiber:

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

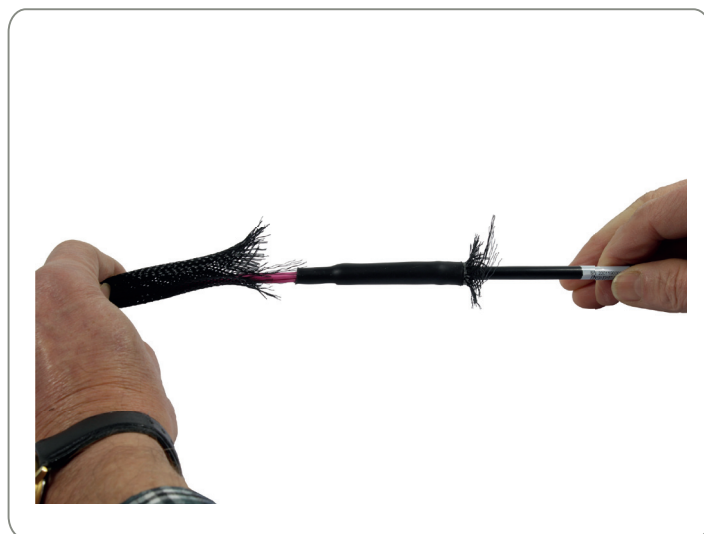
				CUSTOMER		SYNERGY21		ITEM NO.			
				PRODUCT NAME		Universal LC/UPC-LC/UPC OM4 4C 6.0mm, CPR Dca		manufacture country		CHINA	UNIT MM
NEW				2021-8-30	A	DRAWNBY	CHECKBY	APPOBY	DATE		
BY	CHK	REVISION RECORD MODIFICATIONS		DATE	REV.	SYNERGY21	SYNERGY21	SYNERGY21	2021-8-30		



1 Leichtes zurückschieben des Gewebeschauches



2 Abschneiden des Gewebeschauchs
Wichtig: Keine LWL-Faser beschädigen



3 Abziehen der Gewebeschauch-Einzieghilfe

