

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 | 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 |

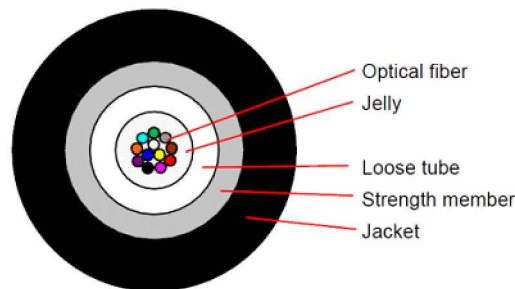
MATERIAL LIST:

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. | | | | | | | | | | |
| 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 | | | 2021-8-30 | AO | DRAWNBY | CHECKBY | APPOBY | DATE | | |
| | | | | | DATE | REV. | 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 [Ⓢ] |
| 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 [Ⓢ] |
| | 1300nm [Ⓢ] | MHz.km [Ⓢ] |
| EMB Bandwidth [Ⓢ] | 850nm [Ⓢ] | MHz.km [Ⓢ] |
| | 1300nm [Ⓢ] | MHz.km [Ⓢ] |
| Attenuation Coefficient [Ⓢ] | 850nm [Ⓢ] | dB/km [Ⓢ] |
| | 1300nm [Ⓢ] | dB/km [Ⓢ] |
| Macro-bend loss (100turn, 75mm radius) [Ⓢ] | 850nm [Ⓢ] | dB [Ⓢ] |
| | 1300nm [Ⓢ] | dB [Ⓢ] |
| Proof stress level [Ⓢ] | kpsi [Ⓢ] | 100 [Ⓢ] |
| Effective group index of refraction [Ⓢ] | 850nm [Ⓢ] | / [Ⓢ] |
| | 1300nm [Ⓢ] | / [Ⓢ] |
| Zero dispersion wavelength λ ₀ [Ⓢ] | nm [Ⓢ] | 1295 ≅ λ ₀ ≅ 1340 [Ⓢ] |

| | | | | | | | | | | | |
|-----|-----|-------------------------------|--|--------------|------|---|-----------|---------------------|-----------|-------|---------|
| | | | | 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 | | |

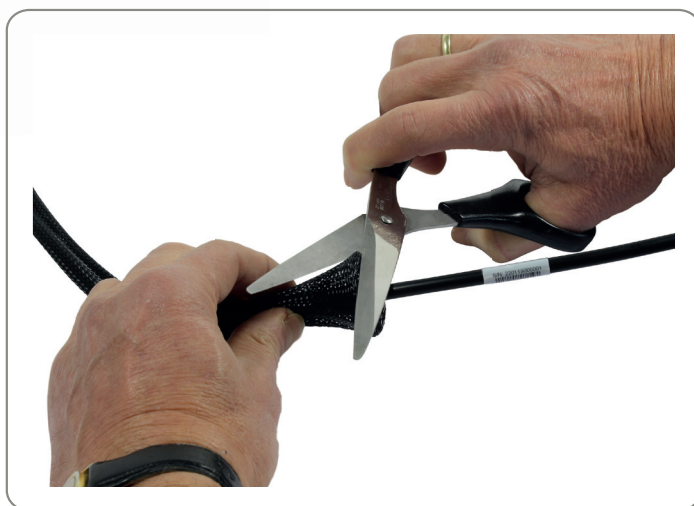
Kurzanleitung

Demontage des Gewebeschauchs

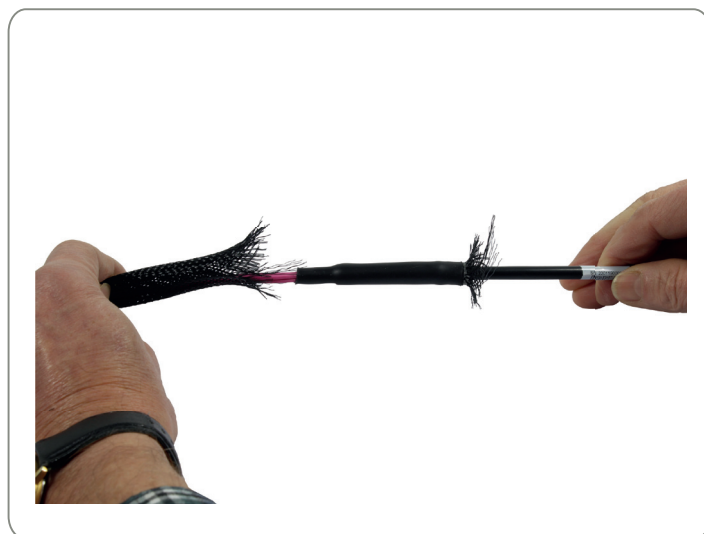
SYNERGY 21



1 Leichtes zurückschieben des Gewebeschauches



2 Abschneiden des Gewebeschauchs
Wichtig: Keine LWL-Faser beschädigen



3 Abziehen der Gewebeschauch-Einziehhilfe

