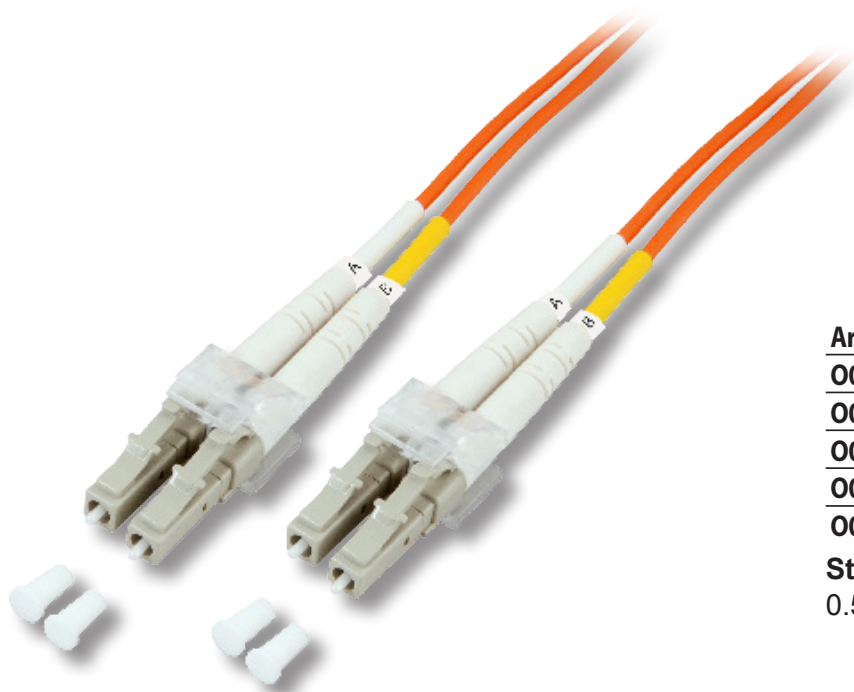
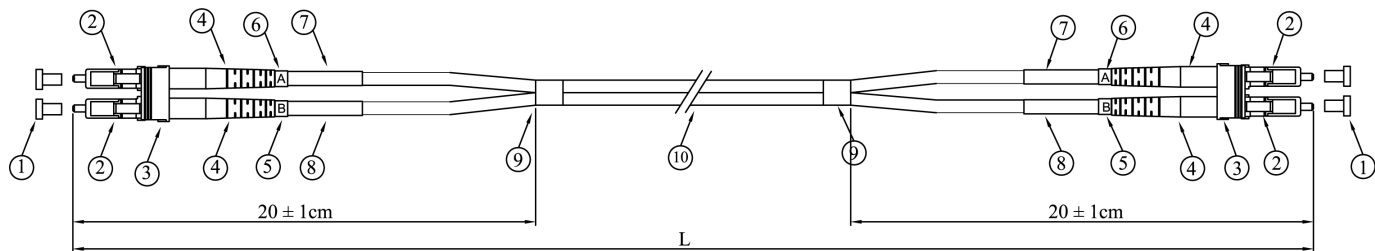


Fiber Optic patch cable - LC / LC duplex jumper



| Art.-No. | Fiber                 | Jacket       | Connector Type | PU |
|----------|-----------------------|--------------|----------------|----|
| 00310.x  | I-VH 2G 50/125μ OM2   | orange       | 2 x LC beige   | 1  |
| 00319.x  | I-VH 2G 50/125μ OM4   | erica-violet | 2 x LC beige   | 1  |
| 00312.x  | I-VH 2G 50/125μ OM3   | aqua         | 2 x LC beige   | 1  |
| 00330.x  | I-VH 2G 62.5/125μ OM1 | orange       | 2 x LC beige   | 1  |
| 00350.x  | I-VH 2E 9/125μ OS2    | yellow       | 2 x LC blue    | 1  |

Standard lengths in metres:  
0.5 - 1.0 - 2.0 - 3.0 - 5.0 - 7.5 - 10.0 - 15.0 - 20.0



|     |                                             |      |
|-----|---------------------------------------------|------|
| 10  | Ø 2.0 mm duplex cable                       |      |
| 9   | Heat shrink tube, transparent               | 2    |
| 8   | LC heat shrink tube, yellow                 | 2    |
| 7   | LC heat shrink tube, white                  | 2    |
| 6   | ID Clip (A)                                 | 2    |
| 5   | ID Clip (B)                                 | 2    |
| 4   | LC boot , 2.0 mm, white                     | 4    |
| 3   | LC duplex clip, transparent                 | 2    |
| 2   | LC plug (multimode beige , singlemode blue) | 4    |
| 1   | LC dust cover, white                        | 4    |
| No. | Description                                 | Q'ty |

|                 |                  |
|-----------------|------------------|
| Created<br>BT   | Date<br>24.01.12 |
| Last rev.<br>BT | Date<br>01.08.12 |

LC - LC duplex Jumper

RoHS  
compliant

File: 00310.X\_ENG



## Characteristics

- Aramid yarn strength members ensures tension-resistance and long term stability in transmission
- Small outer diameter, lightweight
- Singlemode UPC polished
- Flame-retardant, low attenuation

## Specification

- Insertion loss : < 0.3dB @ 850nm (Multimode)  
< 0.3dB @ 1310nm (Singlemode)
- Return loss : > 50dB@1310nm (Singlemode UPC)
- End surface test is according to OP-03-05001
- Test standard: GR-326-CORE
- RoHS compliant
- LWL cable according to IEC 60793-2
- LC plug according to IEC 61754-20

## Application

- Patching, Crossing
- Indoor cabling

## Temperature range

- -40°C up to +85°C

## Cable specification

- Number of fibers: 2, Mini Zip Twin figure 8
- Outer diameter: 2.0 x 4.1 mm
- Max. tension: 300 N (short), 160 N (long)
- Min. bending radius: 20H (installation), 10H (static)
- Max. crush resistance (N/100mm): 1000
- Complies to TIA/EIA-568 B and Bellcore GR-409-CORE & OFNR-UL/CSA FT-4
- Jacket LSZH
- Flame-retardant according to IEC60754-2, IEC60332-1, IEC61034

| Fiber Type MM | Core/Cladding | Jacket       | Attenuation [dB/km] |       | BLP [MHz*km]        | BLP [MHz*km]          |
|---------------|---------------|--------------|---------------------|-------|---------------------|-----------------------|
|               |               |              | 1300nm              | 850nm | LED stimulate (OFL) | Laser stimulate (EMB) |
| OM1           | 62.5/125μ     | orange       | 0.8                 | 3.1   | 200                 | -                     |
| OM2           | 50/125μ       | orange       | 0.8                 | 2.8   | 500                 | -                     |
| OM3           | 50/125μ       | aqua         | 0.8                 | 2.8   | 1500                | 2000                  |
| OM4           | 50/125μ       | erica-violet | 0.7                 | 2.8   | 3500                | 4700                  |

BLP = Bandwith-Length-Product

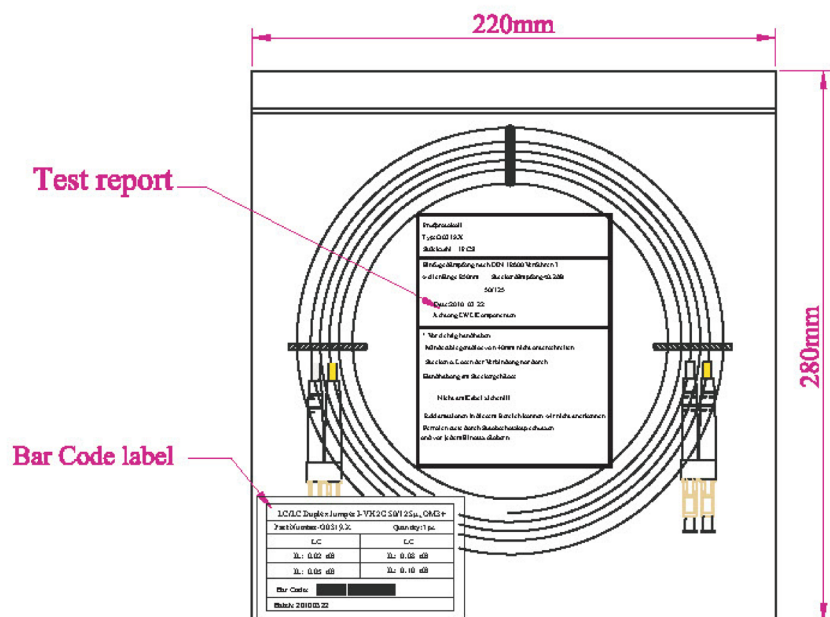
| Fiber Type SM | Core/Cladding | Jacket | max. Attenuation [dB/km] | Dispersions coefficient    |                             |
|---------------|---------------|--------|--------------------------|----------------------------|-----------------------------|
| OS2           | 9/125μ        | yellow | ≤ 0.4dB@full spektrum    | ≤ 3.0ps/(nm.km)<br>@1310nm | ≤ 18.0ps/(nm.km)<br>@1550nm |

RoHS  
compliant

|                 |                  |                       |                                                                                       |
|-----------------|------------------|-----------------------|---------------------------------------------------------------------------------------|
| Created<br>BT   | Date<br>24.01.12 | LC - LC duplex Jumper | File: 00310.X_ENG                                                                     |
| Last rev.<br>BT | Date<br>01.08.12 |                       |  |

## Packaging:

The corresponding label data for each cable assembly shall be glued to the package.



|                                           |                |
|-------------------------------------------|----------------|
| LC/LC Duplex Jumper I-VH 2G 50/125 µ, OM4 |                |
| Part Number: 00319.X                      | Quantity: 1 pc |
| LC                                        | LC             |
| IL: 0.02 dB                               | IL: 0.08 dB    |
| IL: 0.05 dB                               | IL: 0.10 dB    |
| Bar Code:                                 |                |
| Batch: 20100322                           |                |

Bar Code label(100mm x 60mm)

|                                                                                                                                                                                                                                                                                                                                           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Prüfprotokoll<br>Typ: 00319.X<br>Stückzahl 1 PCS                                                                                                                                                                                                                                                                                          |
| Einfügedämpfung nach DIN 18600 Verfahren 7<br>wellenlänge 850nm Steckerdämpfung < 0.2dB<br>50/125<br>Date: 2010-03-22<br>Achtung LWL Komponenten                                                                                                                                                                                          |
| * Vorsichtig handhaben<br>-Mindestbiegeradius von 40mm nicht unterschreiten<br>-Stecken u. Lösen der Verbindung nur durch<br>Handhabung am Steckergehäuse<br>Nicht am Kabel ziehen!!!<br>-Reklamationen in diesem Bereich können wir nicht anerkennen<br>-Ferrulen stets durch Staubschutzkappe schützen<br>und vor jedem Einsatz säubern |

- sample package for FO duplex cable, Art.No. and other data change according to FO cable and plug type

RoHS  
compliant

|                 |                  |
|-----------------|------------------|
| Created<br>BT   | Date<br>24.01.12 |
| Last rev.<br>BT | Date<br>01.08.12 |

LC - LC duplex Jumper

File: 00310.X\_DE

