

Verbindungstechnik – LWL
[Network Connectivity – FO]

Patchkabel Uniboot LC/LC OM3 [patch cord uniboot LC/LC OM3]



TKM LWL Patchkabel Typ Uniboot LC OM3 sind geeignet für Multimodeverkabelungen z.B. im Rechenzentrum. Durch die Fertigung gemäß Standard IEC 61753-122-2 ist eine hohe Qualität der Patchkabel gewährleistet. Die Qualitätssicherung beinhaltet u.a. die optische Überprüfung der Steckerstirnseiten, um einen vollständig sauberen und kratzfreien Auslieferungszustand zu gewährleisten. Die TKM Patchkabel Typ Uniboot haben außerdem folgende Eigenschaften:

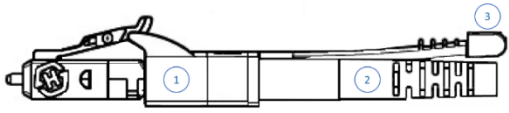
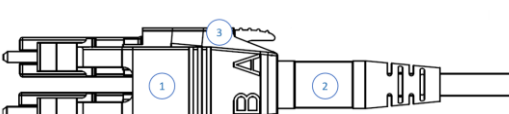


- Kabeltyp: Rundkabel mit 2 Fasern - DX
- Kaberversion: Figure 0
- Qualitätsstufen: Höchster Standard (HS), Grade B (GB)
- Entriegelungsclip: Fernentriegelung über push-pull Funktion (HS)
- Polaritätswechsel: per Clip (GB)

[TKM FO patchcords type uniboot LC OM3 are applicable with multimode networks in e.g. data centers. Because of assembly according to IEC 61753-122-2 a high quality of patchcords is assured. The quality assurance includes among other things the optical testing of the connectors end face and secures a fully clean delivery without any scratches. TKM FO patchcords type uniboot have following characteristics:

- *cable type: round cable with 2 fibers - DX*
- *cable version: figure 0*
- *quality grades: high standard (HS), grade B (GB)*
- *dismounting clip: with extractor push pull function (HS)*
- *polarity change: per clip (GB)]*

Technische Daten

[technical data]

| Eigenschaften LC Stecker [characteristics LC connector] | | | | | | |
|---|--|--|---|-----------------------|--------------|----------|
| Qualitätsgrad [quality grade] | HS - High Standard | | GB - Grade B | | GC - Grade C | |
| Hersteller [manufacturer] | Huber+Suhner | | Kein Markenstecker-Grade B [no brand connector] | | n.a. | |
| Version Clip [version clip] | Push-pull mit Fernentriegelung [push pull with extractor] | | DX-Clip mit Polaritätswechsel [DX clip with polarity change] | | n.a. | |
| Extractor [extractor] | ✓ | | ✗ | | n.a. | |
| Polaritätswechsel [polarity change] | ✗ | | ✓ | | n.a. | |
| Gemäß Norm [specified acc. to] | IEC 61754-20 | | IEC 61754-20 | | n.a. | |
| Farben [colour] | PC | APC8 | PC | APC8 | PC | APC8 |
| Steckerkörper [connector body] | Schwarz [black] | -- | Aqua [aqua] | -- | -- | -- |
| Knickschutz [boot] | Schwarz [black] | -- | Weiß [white] | -- | -- | -- |
| Clip [clip] | Aqua [aqua] | -- | Transparent [transparent] | -- | -- | -- |
| Material Steckergehäuse [material connector body] | Plastik [plastic] | | Plastik [plastic] | | n.a. | |
| Material Ferrule [material ferrule] | Keramik [ceramic] | | Keramik [ceramic] | | n.a. | |
| Mechanische Eigenschaften [mechanical characteristics] | | | | | | |
| Temperatur Betrieb min [temperature operating min] | -45°C | | -20°C | | n.a. | |
| Temperatur Betrieb max [temperature operating max] | +85°C | | +70°C | | n.a. | |
| Steckzyklen [min] [mating cycles [min]] | 1000 | | 500 | | n.a. | |
| Ausziehkraft [pull out force] | 5N | | n.a. | | n.a. | |
| Optische Eigenschaften [optical characteristics] | | | | | | |
| Dämpfung [attenuation] | PC | APC8 | PC | APC8 | PC | APC8 |
| IL@97% [db]: // RL [db]: | ≤ 0,25 ≥ 35 | -- -- | ≤ 0,25 ≥ 35 | -- -- | n.a. n.a. | -- -- |
| IL (typical) [db]: // RL (typical) [db]: | ≤ 0,12 ≥ 45 | -- -- | ≤ 0,20 ≥ 45 | -- -- | n.a. n.a. | -- -- |
| IEC 61300-3-34 / IEC 61300-3-6 | GRADE B/3 | | GRADE B/3 | | GRADE C/3 | |
| Sonstige Daten [other data] | | | | | | |
| RoHS Konformität [RoHS conformity] | Ja [yes] | | Ja [yes] | | n.a. | |
| REACH Konformität [REACH conformity] | Ja [yes] | | Ja [yes] | | n.a. | |
|  | 1 | Steckerkörper [connector body] | 2 | Knickschutz [boot] | | |
|  | 1 | Steckerkörper [connector body] | 2 | Knickschutz [boot] | | |
|  | 3 | Fernentriegelung [extractor] | 4 | n.a. [n.a.] | | |
|  | 3 | Clip mit Polaritätswechsel [clip with polarity change] | 4 | n.a. [n.a.] | | |
| *exemplarisch LC Uniboot Stecker HS [exemplarily LC uniboot connector HS] | | | | | | |
| *exemplarisch LC Uniboot Stecker GB [exemplarily LC uniboot connector GB] | | | | | | |

| Eigenschaften Kabel [characteristics cable] | | | | | | |
|---|---|----------------------------------|---|------------------------|--------------|-----------|
| Qualitätsgrad [quality grade] | HS – High Standard | | GB – Grade B | | GC – Grade C | |
| Kabelfarbe [colour cable] | Aqua ähnlich RAL 4003 [aqua – similar to RAL 4003] | | Aqua ähnlich RAL 4003 [aqua – similar to RAL 4003] | | n.a. | |
| Kabeltyp: SX / DX [type of cable: SX / DX] | SX | DX | SX | DX | SX | DX |
| Kabeldurchmesser [cable diameter] | n.a. | 2,0mm | n.a. | 2,0mm | n.a. | n.a. |
| Figure Typ [figure type] | n.a. | Figure 0 [figure 0] | n.a. | Figure 0 [figure 0] | n.a. | n.a. |
| Gewicht [weight] | n.a. | 4,3g | n.a. | 4,3g | n.a. | n.a. |
| Material Außenmantel [material outer jacket] | LSZH | | LSZH | | n.a. | |
| Wandstärke [wall thickness] | n.a. | | n.a. | | n.a. | |
| Material Zugentlastungselement [material strain relief element] | Aramid | | Aramid | | n.a. | |
| Mechanische Eigenschaften [mechanical characteristics] | | | | | | |
| Biegeradius verlegt [bending radius installed] | 10mm | | 10mm | | n.a. | |
| Biegeradius bei Verlegung [bending radius at installation] | 15mm | | 15mm | | n.a. | |
| Zugkraft [max.] [tensile load [max.]] | 200N | | 200N | | n.a. | |
| Querdrukfestigkeit dauernd [max.] [crush resistance permanent [max.]] | 900N/dm | | 900N/dm | | n.a. | |
| Thermische Eigenschaften [thermal characteristics] | | | | | | |
| Transport und Lagerung [transport and storage] | -25°C // +70°C | | -20°C // +75°C | | n.a. | |
| Betrieb [operation] | -25°C // +70°C | | -20°C // +75°C | | n.a. | |
| Brandverhalten [fire behaviour] | | | | | | |
| Flammwidrigkeit [flame retardant] | nach IEC 60332-1-2 // IEC 60332-3-25 [acc. to IEC 60332-1-2 // IEC 60332-3-25] | | nach IEC 60332-1-2 // IEC 60332-3-25 [acc. to IEC 60332-1-2 // IEC 60332-3-25] | | n.a. | |
| Rauchdichte [smoke density] | nach IEC 61034-2 [acc. to IEC 61034-2] | | nach IEC 61034-2 [acc. to IEC 61034-2] | | n.a. | |
| Halogenfreiheit [zero halogen] | nach IEC 60754-1 [acc. to IEC 60754-1] | | nach IEC 60754-1 [acc. to IEC 60754-1] | | n.a. | |
| <p>*exemplarisch Rundkabel [exemplarily round cable]</p> | 1 | Außenmantel [outer jacket] | | | | |
| | 2 | Zugentlastung [strain relief] | | | | |
| | 3 | Adern [fibers] | | | | |
| Eigenschaften Clip [characteristics clip] | | | | | | |

| Qualitätsgrad [quality grade] | HS – High Standard | GB – Grade B | GC – Grade C |
|--|---|--|--------------------------------|
| Typ Clip [type clip] | Fernentriegelung [extractor] | Polaritätswechsel [polarity change] | n.a. |
| Hersteller [manufacturer] | Huber+Suhner | Kein Markenhersteller [no brand manufacturer] | n.a. |
| Material [material] | Plastik [plastic] | Plastic [plastic] | n.a. |
| Farbe [colour] | Aqua [aqua] | Transparent [transparent] | n.a. |
| Temperaturbereich [temperature range] | -45°C // +85°C | n.a. | n.a. |
| RoHS Konformität [RoHS conformity] | Ja [yes] | Ja [yes] | n.a. |
| REACH Konformität [REACH conformity] | Ja [yes] | Ja [yes] | n.a. |
| |  |  | *exemplarischer [exemplary] |

Lieferform
[type of delivery]

Verpackungsart
[type of packaging] Einzelverpackt in Plastiktüte
[single packaging in plastic bag]



*Bild exemplarisch
[picture exemplarily]

Messprotokoll
[measurement protocol] Inklusive – beiliegend in Tüte
[inclusive – enclosed in bag]

Test report

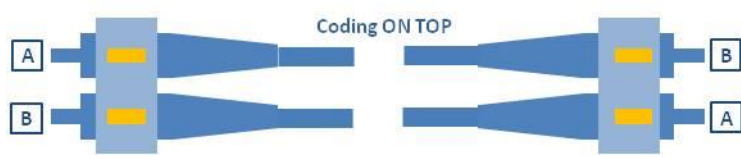
| | |
|------------------------|--|
| Date: | 2020-03-12 |
| Com. reference: | 1700963-020-HS-OM4 |
| Description: | FO-Patchcord: LC-LC 2G50/125 OM4, lenght: 2,0m |
| Wavelength: | 1300nm |

| Type of connector | Brand | db[1] | db[2] |
|-------------------|----------------|-------|-------|
| LC-PC | Huber & Suhner | -0,17 | -0,19 |
| LC-PC | Huber & Suhner | -0,15 | -0,18 |

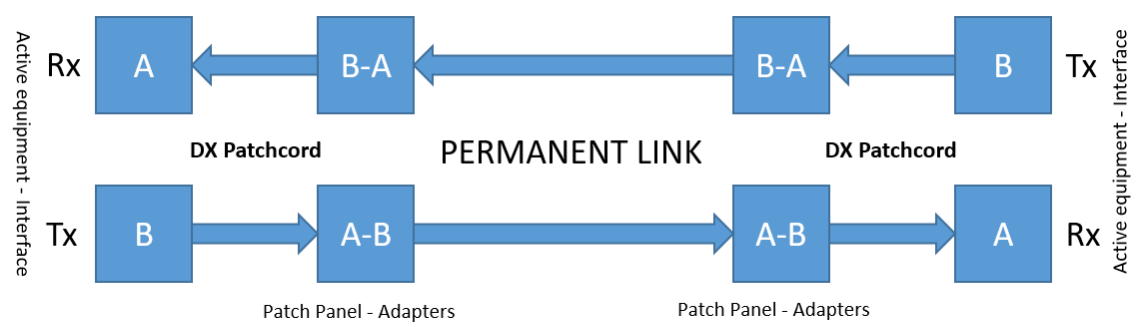
100% inspection of optical surface with 400x magnification
Important: Clean surface of connector before patching

*exemplarisch Messprotokoll (English, LC, OM3)
[exemplarily measurement protocol (English, LC, OM3)]

Polarität
[polarity] a-b ; b-a (rx-tx ; tx-rx)



*schematische Darstellung
[schematic diagram]



*schematische Darstellung
[schematic diagram]




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Bestellangaben [ordering information]

| Artikelnummer [part number] | Artikelbeschreibung [part description] |
|--|---|
| LWL Patchkabel Typ Uniboot - Duplex - LC-LC - OM3 - Clip: Duplex <i>[FO patchcords type uniboot - duplex - LC-LC - OM3 - clip: duplex]</i> | |
| 1701490-XXX-HS-OM3 | LWL-Patchcord Uniboot: LCdx-LCdx - 2G50/125 OM3 - HS - Länge: x,xx m <i>[FO patchcord uniboot: LCdx-LCdx - 2G50/125 OM3 - HS - length: x,xx m]</i> |
| 1701490-XXX-GB-OM3 | LWL-Patchcord Uniboot: LCdx-LCdx - 2G50/125 OM3 - Grade B - Länge: x,xx m <i>[FO patchcord uniboot: LCdx-LCdx - 2G50/125 OM3 - grade B - length: x,xx m]</i> |
|  | xxx - Längenangabe in Meter 010 ± 1,00 Meter |