





# opticalCON TRUE1 MDC Patch Cables

The MDC (Miniature Duplex Connector) is a compact duplex connector with a push-pull boot mechanism, based on proven 1.25 mm all-ceramic ferrule technology. It belongs to the Very Small Form Factor (VSFF) connector category and was originally developed by US Conec. The connector is available in both singlemode and multi-mode versions and comes with PC (0°) and APC (8°) polish finishes. The MDC connector is standardized in IEC 61754-37.

Neutrik offers the MDC as a patch cable solution in combination with an LC duplex connector, enabling simple and reliable connectivity to existing SFP transceivers.

**MDC Senior**

The MDC Senior is a robust VSFF connector solution designed for traditional panel and patch applications. It combines high packing density with ease of handling thanks to the proven push-pull

mechanism, ensuring reliable and service-friendly connectivity in professional fiber optic infrastructures.

## Features & Benefits

- Very Small Form Factor (VSFF) connector MDC
- High-performance optical connectivity with low insertion loss
- Push-pull boot mechanism for easy handling


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- Tool-free polarity reversal (A/B)
- Available in multimode and singlemode (PC / APC)
- Reliable connection to LC interfaces (SFP compatibility)
- Compact design for space-constrained applications

## Ordering Information

**opticalCON TRUE 1 DUO PATCH CABLES / MDC Senior to LC Duplex**

| Article Number | Description | Chassis Compatibility |
|---|---|---|
| NKOP2PS-T-SR-0-0.1 | Patch Kabel MDC Sr. - LC Duplex SM 100mm | NO2FDW-T-SR |
| NKOP2PS-T-SR-0-0.2 | Patch Kabel MDC Sr. - LC Duplex SM 200mm | NO2FDW-T-SR |
| NKOP2PS-T-SR-0-0.3 | Patch Kabel MDC Sr. - LC Duplex SM 3100mm | NO2FDW-T-SR |
| NKOP2PSA-T-SR-0-0.1 | Patch Kabel MDC Sr. - LC Duplex SM APC 100mm | NO2FDW-T-SR |
| NKOP2PSA-T-SR-0-0.2 | Patch Kabel MDC Sr. - LC Duplex SM APC 200mm | NO2FDW-T-SR |
| NKOP2PSA-T-SR-0-0.3 | Patch Kabel MDC Sr. - LC Duplex SM APC 300mm | NO2FDW-T-SR |
| NKOP2PM-T-SR-0-0.1 | Patch Kabel MDC Sr. - LC Duplex MM 100mm | NO2FDW-T-SR |
| NKOP2PM-T-SR-0-0.2 | Patch Kabel MDC Sr. - LC Duplex MM 200mm | NO2FDW-T-SR |
| NKOP2PM-T-SR-0-0.3 | Patch Kabel MDC Sr. - LC Duplex MM 300mm | NO2FDW-T-SR |

## Technical Information


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| Product | |
|---|---|
| Fiber | Multimode (OM4) Single Mode PC / APC |
| Insertion Loss | < 0.25 dB per Connection acc. IEC61300 3-4 method B |
| min. Retrun Loss | MM PC > 30 dB<br>SM PC > 50 dB<br>SM APC > 60 dB |

| Mechanical | |
|---|---|
| Norm | IEC 61754-37 |

| Material | |
|---|---|
| Ferrule | Zirconia Keramik, ø 1.25 mm |

| Environmental | |
|---|---|
| Operating Temperature | -30°C to +80°C (2.0 mm Patch cable) |
| Storage Temperature | -30°C to +80°C (2.0 mm Patch cable) |

| Fiber Types / Colors | |
|---|---|
| Singlemode SM, 9/125µm, PC and UPC 0° | Blue / Black |
| Singlemode SM, 9/125µm, APC 8° | Green / Black |
| Multimode OM4, 50/125µm | Violet / Black M16 |

| Cable Diameter | |
|---|---|
| Runkabletypen | 2.0 mm (MDC Senior to LC Duplex) |


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