





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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NEUTRIK

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 SM PC > 50 dB 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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