opticalCON HYBRID MED Connector

Pre-assembled male to male cable with 16 multimode fiber channels and 2 power pins. opticalCON HYBRID MED is more robust, reliable and easier to maintain than any other common hybrid systems. With new technology based on fiber lenses, Neutrik's opticalCON HYBRID MED achieves an extremely robust signal with minimal loss. The optical connection is exceptional well protected against dirt and dust by its lenses and an additional sealing cover.

Features & Benefits

- Ruggedized and dirt protected hybrid connection system

  - 1 lensed MPO connector with 16 fiber channels
  - 2 power contacts
  - 1 ground contact
- Available in standardized length (3m, 5m, 8m and 10m) and packaging versions
- Accommodates a unique lensed optical MPO connector
- Excellent dust and dirt protection
- Easy to maintain and nurse-proof design with glove protection
- Shielded system with EMI protection design
- Suitable for indoor healthcare applications

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Technical Information

Product	
Title	NKO16M-XP-0-*
Gender	Male

Electrical	
Contact resistance	< 7 mΩ
Insulation resistance	> 10 GΩ (initial)
Mains	12V AC / 10A / @50 Hz

Mechanical	
Cable retention	500 N
Insertion force	< 45N
Withdrawal force	< 45N
Lifetime (typ.)	10'000 mating cycles
Wiresize (power)	4x 20 AWG
Locking device	Push/Pull

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Material

Boot	TPU
Bushing	Zinc diecast (ZnAl4Cu1)
Contacts	Brass
Insert	Polyetherimide and Polycarbonate (PEI+PC)
Shell	Zinc diecast and Polyoxmethylen
Shell plating	Nickel
Strain relief	Brass

Environmental

Flammability	UL94 V-0
Temperature range	-40°C to +75°C

Optical

Insertion loss	Typ. 0.65 dB per connection / Max. 0.9 dB per connection
Return loss	Typ. 28 dB per connection / Min. 25 dB per connection
Channels	16

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