



## opticalCON DRAGONFLY Cable female - male

Pre-assembled female male SMPTE cable with 2 lensed single-mode ferrules and 4 copper pins.

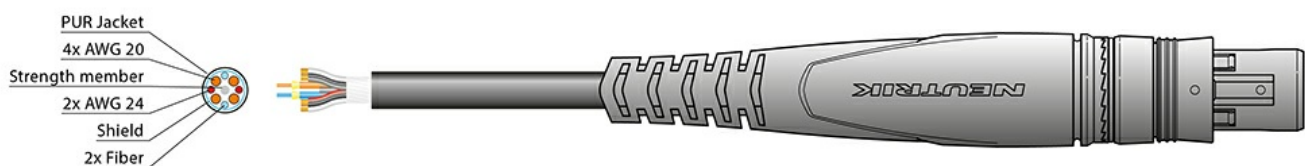
DRAGONFLY is more robust, reliable and easier to maintain than common hybrid camera signal transmission systems. With technology based on fiber lenses and fusion splicing, Neutrik's DRAGONFLY achieves an extremely robust signal with minimal loss. The optical connection is exceptionally well protected against dirt and dust by its lenses and an additional sealing cover.

The cable connector comes pre-assembled. Spare parts are available as single components as well. Suitable chassis connectors are NO2MW-XP and NO2FW-XP.

## Features & Benefits

- Suitable for indoor (studio) and outdoor (OB-Truck) camera links according to SMPTE standard
- Waterproof according to IP68 safety standard in mated condition
- Ruggedized and dirt protected hybrid connection system
- Accommodates a unique lensed optical fusion splice connector
- 2 unique lensed optical connectors
- 2 signal contacts
- 2 power contacts
- 1 ground contact
- Robust and reliable: all-metal housing, overall copper braided shield, stainless steel strength member, strong black PUR outer jacket, spring loaded push-pull locking and strong cable retention
- Excellent dust and dirt protection
- Available in different lengths and packing versions
- Easy to repair

## Cable cross section



Packaging options and max. cable length



	0 Airs pool	1 opticalCON Case	2 Drum Schill GT310	3 Drum Schill GT380	4 Drum Schill HT582	5 Drum Schill GT450	6 Drum Schill SK4812
Wide	-	490 mm / 19.3"	ø 310 mm / 12.2"	ø 380 mm / 15.0"	ø 580 mm / 22.0"	ø 445 mm / 17.6"	518 mm / 20.4" ø 460 mm / 18.1"
High	-	340 mm / 13.4"	NOT AVAILABLE	491 mm / 19.3"	710 mm / 28.0"	555 mm / 21.8"	562 mm / 22.1"
Depth	-	150 mm / 5.9"	230 mm / 9.1"	303 mm / 11.9"	271 mm / 10.6"	312 mm / 12.2"	422 mm / 16.6"
Weight	-	1.5 kg	2.2 kg	4.7 kg	13.9 kg	5.4 kg	16.7 kg

Available camera systems

- SONY: HDC, HSC (discontinued), HXC (discontinued)
- GRASS VALLEY: LDX82, LDX85N, LDX100/150, LDX86, LDX86N
- MULTIDYNE: SILVERBACK V Camera Adaptor
- IKEGAMI: UHK-430/CCU-430, UHK-X700/BSX-100
- PANASONIC: AK-UC, AK-HC

## Technical Information

Product	
Title	NK02S-XP-0-*
Gender	male/female

Electrical	
Contact resistance	< 7 mΩ
Insulation resistance	> 10 GΩ (initial)
Mains	240V AC / 10A / 50Hz 120V AC / 10A / 60Hz 300V DC / 7A
Sense	42V AC peak / 1-3A / ≤1kHz 60V DC / 1-3A

Mechanical	
Cable retention	500 N
Insertion force	< 45 N
Withdrawal force	< 45 N
Lifetime (typ.)	10'000 mating cycles
Wiresize Power	4 x 20 AWG
Wiresize Sense	2 x 24 AWG
Locking device	Push-Pull

**Material**

<b>Boot</b>	Rubber (EPDM)
<b>Bushing</b>	Zinc diecast (ZnAl4Cu1)
<b>Contacts</b>	Brass
<b>Insert</b>	Polyetherimide and Polycarbonate (PEI+PC)
<b>Shell</b>	Zinc diecast and Polyoxmethylen
<b>Shell plating</b>	Nickel
<b>Strain relief</b>	Brass

**Environmental**

<b>Flammability</b>	UL94 V-0
<b>Protection Class</b>	IP68 , UL50E enclosure type 4 (mated with sealing KIT SCXP-*)
<b>Certification according to</b>	IEC 61984:2009 IEC 60529 UL 1977:2019 CSA C22.2 No. 182.3 :2016 UL50E Type 4
<b>Salt spray test</b>	Evaluated according to UL50E
<b>UV Test</b>	Evaluated according to UL50E

**Optical**

<b>Insertion loss</b>	Typ. 0.6 dB per connection / Max. 1.0 dB per connection
<b>Optical connector</b>	XB2 Feedthrough