



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
 - 2 unique lensed optical connectors
 - 2 signal contacts
 - 2 power contacts
 - 1 ground contact
- Accommodates a unique lensed optical fusion splice connector
- 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



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	NKO2S-XP-0-*
Gender	male/female

Electrical		
Contact resistance	< 7 mΩ	
Insulation resistance	> 10 G Ω (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	ial	
Boot	Rubber (EPDM)	
Bushing	Zinc diecast (ZnAl4Cu1)	
Contacts	Brass	
Insert	Polyetherimide and Polycarbonate (PEI+PC)	
Shell	Zinc diecast and Polyoxmethylen	
Shell plating	Nickel	
Strain relief	Brass	

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

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