



opticalCON DRAGONFLY cable female - fixed male

NEW: Pre-assembled female - fixed 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 ist NO2FW-XP

Features & Benefits

Suitable for rugged Wall / panel - CCU installation indoors (studio) and outdoors (OB-Truck) 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
- ✓ 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 230 mm / 9.1"	491 mm / 19.3"	710 mm / 28.0"	555 mm / 21.8"	562 mm / 22.1"
Depth	-	150 mm / 5.9"		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	NK02SMW-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	
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	
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