



LENGTH	SKU
7,5 m	NC-Core-AOC-UAC-0075
10 m	NC-Core-AOC-UAC-010
15 m	NC-Core-AOC-UAC-015

Active Optical USB Cable support USB3.2 (10Gbps) speeds from USB-C devices to host (USB-A)

Norrd CORE AOC UAC is a USB 3.2 A-male to C-male Active Optical Cable designed for stable, high-speed USB connections over long distances in professional environments. By using optical fiber for the data path, it delivers full USB 3.1 Gen2 performance up to 10 Gbps across runs up to 15 meters, while remaining fully backwards compatible with USB 2.0 and 1.1 devices. The optical transmission eliminates EMI/RF interference, ensuring reliable signal quality even in electrically noisy installations. The reversible USB-C connector simplifies connections, and with true plug-and-play operation requiring no external power, it's a mature, cost-effective solution for demanding USB applications such as machine vision, remote monitoring, and AV/IT setups where distance and stability matter.

KEY FEATURES

Key Features

- Active Optical USB 3.1 Gen2 cable (USB-A male to USB-C male) for long-run data
- Up to 10 Gbps SuperSpeed performance, backwards compatible with USB 2.0 / 1.1
- Long distance stability up to 15 m
- Zero EMI/RF interference for reliable operation in complex environments
- Reversible USB-C connector for easy plugging
- Plug-and-play with no drivers or external power required
- Supports up to 5V 900mA power delivery

GENERAL	
Cable Type	Hybrid Fiber + Copper
Available Lengths	7.5m, 10m, 15m
Plug & Play	Yes (No driver required)
Power Supply	No external power required
DATA	
USB Standard	USB 3.2 Gen2x1
Max Bandwidth	10 Gbps
Backward Compatibility	USB2.0 / USB1.1
Supported OS	Windows / Mac OS / Linux
Power Delivery to Device	5V @ 900mA (Max)
Cable Power Consumption	140mW
Fiber Type	OM3
Copper AWG	20AWG + 24AWG + 28AWG
MECHANICAL	
Cable OD	4.8mm ±0.15mm
Cable Color	Black
Jacket Material	LSZH
Connector Material	Die-cast Zinc Alloy
Shielding	Triple Shielded
Filler Material	Kevlar + Al Mylar
Min Bend Radius	20mm
Connector Pull Strength	15kg (150N)
Cable Pull Strength	25kg (250N)
ENVIRONMENT	
EMI Resistance	High
RFI Resistance	High
Operating Temp	0°C ~ 60°C
Storage Temp	-20°C ~ 70°C
Humidity	5% ~ 90%
PACKING	
Packaging Type	ESD Bag