

MOFO™ SOLUTION GUIDE

FIBER-BASED HDMI, USB & DISPLAYPORT CABLES



CONTACT US



1841 Industrial Ave
San Angelo, TX 76904
(325) 262-4031

www.unitedtelsupply.com



and



MOFO™ cables leverage a true fiber core to deliver unparalleled speed, bandwidth, and reliability. Pre-terminated HDMI, USB, and DisplayPort connectors accommodate installations in seconds and the optical construction provides complete immunity to RF, EM, and electrical interference without the need for inline boosters, extenders, or power supplies. Plus, MOFO™ cables can be repurposed in the field using standard fiber optic tools and connectors.



MOFO™ cables are available in traditional cable constructions, wallplate and table insert constructions, and heavy-duty micro-armored constructions.

Forget clunky extenders and bandwidth-limited copper cable. MOFO™ cables deliver cleaner installations, fewer failure points, superior signal quality, and future-ready cable runs.

TechLogix MOFO™ PT Series
Patent Pending. No. 63/239,548

KEY FEATURES

- Available in HDMI, USB & DisplayPort
- Full, uncompressed 4K, 8K & SuperSpeed support
- Extension up to 100m / 330ft without power supplies, extenders or boosters
- Available with indoor plenum & outdoor TPU jacket ratings
- Available with detachable heads for easier pulling through conduit & tight spaces
- Built with four strands of bend-insensitive multimode OM3 fiber
- Repurpose using standard fiber optic tools & connectors
- Interference-free signal transmission
- 45mm / 1.8in bend-radius
- 70lb pull-rating



4K HDMI CABLES

HD20 cables feature the native, uncompressed transmission of 1080p and 4K HDMI up to 50m without the need for external power supplies, boosters, or extenders.



PART NUMBER	LENGTH	CONNECTOR A	CONNECTOR B	BANDWIDTH / FORMAT	MAX RESOLUTION	JACKET
MOFO-HD20-10	10M / 33 FT	MALE HDMI	MALE HDMI	18G / HDMI 2.0	4K60 4:4:4 HDR	4.5MM PLENUM
MOFO-HD20-15	15M / 50 FT	MALE HDMI	MALE HDMI	18G / HDMI 2.0	4K60 4:4:4 HDR	4.5MM PLENUM
MOFO-HD20-23	23M / 75 FT	MALE HDMI	MALE HDMI	18G / HDMI 2.0	4K60 4:4:4 HDR	4.5MM PLENUM
MOFO-HD20-30	30M / 100 FT	MALE HDMI	MALE HDMI	18G / HDMI 2.0	4K60 4:4:4 HDR	4.5MM PLENUM
MOFO-HD20-50	50M / 165 FT	MALE HDMI	MALE HDMI	18G / HDMI 2.0	4K60 4:4:4 HDR	4.5MM PLENUM

8K HDMI CABLES

HD21 cables feature the native, uncompressed transmission of 1080p, 4K and 8K HDMI up to 30m without the need for external power supplies, boosters, or extenders. MOFO™ 8K cables are backwards compatible with 1080p and 4K devices.



PART NUMBER	LENGTH	CONNECTOR A	CONNECTOR B	BANDWIDTH / FORMAT	MAX RESOLUTION	JACKET
MOFO-HD21-01	1M / 3 FT	MALE HDMI	MALE HDMI	48G / HDMI 2.1	8K60	4.5MM PLENUM
MOFO-HD21-02	2M / 6 FT	MALE HDMI	MALE HDMI	48G / HDMI 2.1	8K60	4.5MM PLENUM
MOFO-HD21-03	3M / 10 FT	MALE HDMI	MALE HDMI	48G / HDMI 2.1	8K60	4.5MM PLENUM
MOFO-HD21-05	5M / 16 FT	MALE HDMI	MALE HDMI	48G / HDMI 2.1	8K60	4.5MM PLENUM
MOFO-HD21-08	8M / 26 FT	MALE HDMI	MALE HDMI	48G / HDMI 2.1	8K60	4.5MM PLENUM
MOFO-HD21-10	10M / 33 FT	MALE HDMI	MALE HDMI	48G / HDMI 2.1	8K60	4.5MM PLENUM
MOFO-HD21-15	15M / 50 FT	MALE HDMI	MALE HDMI	48G / HDMI 2.1	8K60	4.5MM PLENUM
MOFO-HD21-23	23M / 75 FT	MALE HDMI	MALE HDMI	48G / HDMI 2.1	8K60	4.5MM PLENUM
MOFO-HD21-30	30M / 100 FT	MALE HDMI	MALE HDMI	48G / HDMI 2.1	8K60	4.5MM PLENUM

8K HDMI CABLES WITH DETACHABLE CONNECTORS

HD21D cables feature detachable HDMI heads for easier pulling through conduit and tight spaces. Each cable also includes an optional 5V power supply for boosting low-output devices on longer cable runs. MOFO™ 8K cables are backwards compatible with 1080p and 4K devices.

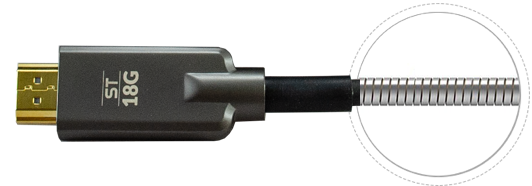


PART NUMBER	LENGTH	CONNECTOR A	CONNECTOR B	BANDWIDTH / FORMAT	MAX RESOLUTION	JACKET
MOFO-HD21D-03	3M / 10 FT	MALE HDMI	MALE HDMI	48G / HDMI 2.1	8K60	4.5MM PLENUM
MOFO-HD21D-05	5M / 16 FT	MALE HDMI	MALE HDMI	48G / HDMI 2.1	8K60	4.5MM PLENUM
MOFO-HD21D-08	8M / 26 FT	MALE HDMI	MALE HDMI	48G / HDMI 2.1	8K60	4.5MM PLENUM
MOFO-HD21D-10	10M / 33 FT	MALE HDMI	MALE HDMI	48G / HDMI 2.1	8K60	4.5MM PLENUM
MOFO-HD21D-15	15M / 50 FT	MALE HDMI	MALE HDMI	48G / HDMI 2.1	8K60	4.5MM PLENUM
MOFO-HD21D-23	23M / 75 FT	MALE HDMI	MALE HDMI	48G / HDMI 2.1	8K60	4.5MM PLENUM
MOFO-HD21D-30	30M / 100 FT	MALE HDMI	MALE HDMI	48G / HDMI 2.1	8K60	4.5MM PLENUM
MOFO-HD21D-40	40M / 131 FT	MALE HDMI	MALE HDMI	48G / HDMI 2.1	8K60	4.5MM PLENUM
MOFO-HD21D-50	50M / 165 FT	MALE HDMI	MALE HDMI	48G / HDMI 2.1	8K60	4.5MM PLENUM
MOFO-HD21D-60	60M / 197 FT	MALE HDMI	MALE HDMI	48G / HDMI 2.1	8K60	4.5MM PLENUM
MOFO-HD21D-70	70M / 230 FT	MALE HDMI	MALE HDMI	48G / HDMI 2.1	8K60	4.5MM PLENUM
MOFO-HD21D-80	80M / 263 FT	MALE HDMI	MALE HDMI	48G / HDMI 2.1	8K60	4.5MM PLENUM
MOFO-HD21D-90	90M / 296 FT	MALE HDMI	MALE HDMI	48G / HDMI 2.1	8K60	4.5MM PLENUM
MOFO-HD21D-100	100M / 330 FT	MALE HDMI	MALE HDMI	48G / HDMI 2.1	8K60	4.5MM PLENUM



MICRO-ARMORED 4K HDMI CABLES

HD20ST cables feature stainless-steel micro-armor and a tactical weather-proof jacket making them ideal for outdoor and harsh environment installation. HD20ST cables are optionally available on a factory-installed tactical reel.



PART NUMBER	LENGTH	CONNECTOR A	CONNECTOR B	BANDWIDTH / FORMAT / RESOLUTION	JACKET	CONSTRUCTION
MOFO-HD20ST-005	5M / 16 FT	MALE HDMI	MALE HDMI	18G / HDMI 2.0 / 4K60 4:4:4 HDR	5.8MM TACTICAL TPU	ARMORED CABLE WITH HEADSHELL COVERS
MOFO-HD20ST-008	8M / 26 FT	MALE HDMI	MALE HDMI	18G / HDMI 2.0 / 4K60 4:4:4 HDR	5.8MM TACTICAL TPU	ARMORED CABLE WITH HEADSHELL COVERS
MOFO-HD20ST-010	10M / 33 FT	MALE HDMI	MALE HDMI	18G / HDMI 2.0 / 4K60 4:4:4 HDR	5.8MM TACTICAL TPU	ARMORED CABLE WITH HEADSHELL COVERS
MOFO-HD20ST-015	15M / 50 FT	MALE HDMI	MALE HDMI	18G / HDMI 2.0 / 4K60 4:4:4 HDR	5.8MM TACTICAL TPU	ARMORED CABLE WITH HEADSHELL COVERS
MOFO-HD20ST-023	23M / 75 FT	MALE HDMI	MALE HDMI	18G / HDMI 2.0 / 4K60 4:4:4 HDR	5.8MM TACTICAL TPU	ARMORED CABLE WITH HEADSHELL COVERS
MOFO-HD20ST-023SP	23M / 75 FT	MALE HDMI	MALE HDMI	18G / HDMI 2.0 / 4K60 4:4:4 HDR	5.8MM TACTICAL TPU	TACTICAL REEL WITH HEADSHELL COVERS
MOFO-HD20ST-030	30M / 100 FT	MALE HDMI	MALE HDMI	18G / HDMI 2.0 / 4K60 4:4:4 HDR	5.8MM TACTICAL TPU	ARMORED CABLE WITH HEADSHELL COVERS
MOFO-HD20ST-030SP	30M / 100 FT	MALE HDMI	MALE HDMI	18G / HDMI 2.0 / 4K60 4:4:4 HDR	5.8MM TACTICAL TPU	TACTICAL REEL WITH HEADSHELL COVERS
MOFO-HD20ST-050	50M / 165 FT	MALE HDMI	MALE HDMI	18G / HDMI 2.0 / 4K60 4:4:4 HDR	5.8MM TACTICAL TPU	ARMORED CABLE WITH HEADSHELL COVERS
MOFO-HD20ST-050SP	50M / 165 FT	MALE HDMI	MALE HDMI	18G / HDMI 2.0 / 4K60 4:4:4 HDR	5.8MM TACTICAL TPU	TACTICAL REEL WITH HEADSHELL COVERS
MOFO-HD20ST-070	70M / 230 FT	MALE HDMI	MALE HDMI	18G / HDMI 2.0 / 4K60 4:4:4 HDR	5.8MM TACTICAL TPU	ARMORED CABLE WITH HEADSHELL COVERS
MOFO-HD20ST-070SP	70M / 230 FT	MALE HDMI	MALE HDMI	18G / HDMI 2.0 / 4K60 4:4:4 HDR	5.8MM TACTICAL TPU	TACTICAL REEL WITH HEADSHELL COVERS
MOFO-HD20ST-100	100M / 330 FT	MALE HDMI	MALE HDMI	18G / HDMI 2.0 / 4K60 4:4:4 HDR	5.8MM TACTICAL TPU	ARMORED CABLE WITH HEADSHELL COVERS
MOFO-HD20ST-100SP	100M / 330 FT	MALE HDMI	MALE HDMI	18G / HDMI 2.0 / 4K60 4:4:4 HDR	5.8MM TACTICAL TPU	TACTICAL REEL WITH HEADSHELL COVERS

FEATURES

- 5.8mm diameter tactical jacket with internal stainless steel micro-armor
- 30mm x 19mm metal HDMI headshell supports pulling through 1 inch conduit
- Includes factory-installed weatherproof headshell caps
- Available as standard cables or on factory-installed tactical reels
- No power required
- Completely immune to electrical and RF interference
- 25mm bend-rating
- 100lb pull-rating
- 1,100lb crush-rating



MOFO™ HD20ST cable on a factory-installed tactical reel



MOFO™ cables rely on power from the HDMI, DisplayPort, and USB ports of connected electronics. Standard inline adapters and couplers can weaken the power flow and are not recommended. Applications requiring a wallplate, table insert, or inline coupling should use the MOFO™ PT Series (following page).



MICRO-ARMORED 4K HDMI CABLES

The MOFO™ PT Series combines fiber-based cabling with traditional table inserts and wallplates, delivering cleaner installations with fewer failure points than traditional extender-based and pass-through systems.



PART NUMBER	LENGTH	CONNECTOR A	CONNECTOR B	BANDWIDTH / FORMAT / RESOLUTION	JACKET
MOFO-USB321PT-05	5M / 16 FT	FEMALE USB	MALE USB	10G / SUPERSPEED (3.0), HI-SPEED (2.0), FULL-SPEED (1.1)	4.5MM PLENUM
MOFO-USB321PT-08	8M / 26 FT	FEMALE USB	MALE USB	10G / SUPERSPEED (3.0), HI-SPEED (2.0), FULL-SPEED (1.1)	4.5MM PLENUM
MOFO-USB321PT-10	10M / 33 FT	FEMALE USB	MALE USB	10G / SUPERSPEED (3.0), HI-SPEED (2.0), FULL-SPEED (1.1)	4.5MM PLENUM
MOFO-USB321PT-15	15M / 50 FT	FEMALE USB	MALE USB	10G / SUPERSPEED (3.0), HI-SPEED (2.0), FULL-SPEED (1.1)	4.5MM PLENUM
MOFO-HD20PT-08	8M / 26 FT	FEMALE HDMI	MALE HDMI	18G / HDMI 2.0 / 4K60 4:4:4 HDR	4.5MM PLENUM
MOFO-HD20PT-10	10M / 33 FT	FEMALE HDMI	MALE HDMI	18G / HDMI 2.0 / 4K60 4:4:4 HDR	4.5MM PLENUM
MOFO-HD20PT-15	15M / 50 FT	FEMALE HDMI	MALE HDMI	18G / HDMI 2.0 / 4K60 4:4:4 HDR	4.5MM PLENUM
MOFO-HD20PT-23	23M / 75 FT	FEMALE HDMI	MALE HDMI	18G / HDMI 2.0 / 4K60 4:4:4 HDR	4.5MM PLENUM
MOFO-HD20PT-30	30M / 100 FT	FEMALE HDMI	MALE HDMI	18G / HDMI 2.0 / 4K60 4:4:4 HDR	4.5MM PLENUM
MOFO-HD20PT-50	50M / 165 FT	FEMALE HDMI	MALE HDMI	18G / HDMI 2.0 / 4K60 4:4:4 HDR	4.5MM PLENUM

PLATE ACCESSORIES | designed for direct integration with MOFO™ PT cables

PART NUMBER	FORMAT	COLOR	CONNECTOR PORTS	MATERIAL
MOFO-PT-TA1W	TABLE INSERT	WHITE	1	ALUMINUM
MOFO-PT-TA1B	TABLE INSERT	BLACK	1	ALUMINUM
MOFO-PT-WD1W	WALLPLATE (DECORA)	WHITE	1	ALUMINUM
MOFO-PT-WD2W	WALLPLATE (DECORA)	WHITE	2	ALUMINUM
MOFO-PT-WD1B	WALLPLATE (DECORA)	BLACK	1	ALUMINUM
MOFO-PT-WD2B	WALLPLATE (DECORA)	BLACK	2	ALUMINUM

FEATURES

- No power required
- Options for HDMI & USB
- Repurpose in the field using standard fiber tools & connectors
- Female source connector mounts to table insert or wallplate
- Male destination connector mounts directly to displays & projectors
- Plenum-rated cable jacket
- Metal molded connector headshells for durability
- Furniture-grade aluminum plates
- Includes 2m patch HDMI or USB patch cord
- Recommended for 2in deep wallboxes & 1in conduit (or greater)
- Patent pending (No. 63/239,548)



MOFO™ PT Series cables flush-mount directly on stock or custom wallplates & table inserts

The MOFO™ PT Series supports inline HDMI coupling and includes a 2m HDMI patch cord. Longer patch cords may be used; however, TechLogix recommends only using certified HDMI cables with a maximum length of 5m.



USB-A CABLES

USB3 cables extend SuperSpeed USB data and power (2.5W/5V/0.9A) up to 30m without the need for external power supplies, boosters, or extenders.



PART NUMBER	LENGTH	CONNECTOR A	CONNECTOR B	BANDWIDTH / FORMAT	JACKET
MOFO-USB3-10	10M / 33 FT	MALE USB-A	FEMALE USB-A	5G / SUPERSPEED (3.0)	4.3MM PLENUM
MOFO-USB3-15	15M / 50 FT	MALE USB-A	FEMALE USB-A	5G / SUPERSPEED (3.0)	4.3MM PLENUM
MOFO-USB3-23	23M / 75 FT	MALE USB-A	FEMALE USB-A	5G / SUPERSPEED (3.0)	4.3MM PLENUM
MOFO-USB3-30	30M / 100 FT	MALE USB-A	FEMALE USB-A	5G / SUPERSPEED (3.0)	4.3MM PLENUM

UNIVERSAL USB-A CABLES

USB321 cables extend SuperSpeed, Hi-Speed, and Full-Speed USB data and power (2.5W/5V/0.9A) up to 15m without the need for external power supplies, boosters, or extenders.



PART NUMBER	LENGTH	CONNECTOR A	CONNECTOR B	BANDWIDTH / FORMAT	JACKET
MOFO-USB321-03	3M / 10 FT	MALE USB-A	FEMALE USB-A	10G / SUPERSPEED (3.0), HI-SPEED (2.0), FULL-SPEED (1.1)	4.3MM PLENUM
MOFO-USB321-05	5M / 16 FT	MALE USB-A	FEMALE USB-A	10G / SUPERSPEED (3.0), HI-SPEED (2.0), FULL-SPEED (1.1)	4.3MM PLENUM
MOFO-USB321-08	8M / 26 FT	MALE USB-A	FEMALE USB-A	10G / SUPERSPEED (3.0), HI-SPEED (2.0), FULL-SPEED (1.1)	4.3MM PLENUM
MOFO-USB321-10	10M / 33 FT	MALE USB-A	FEMALE USB-A	10G / SUPERSPEED (3.0), HI-SPEED (2.0), FULL-SPEED (1.1)	4.3MM PLENUM
MOFO-USB321-15	15M / 50 FT	MALE USB-A	FEMALE USB-A	10G / SUPERSPEED (3.0), HI-SPEED (2.0), FULL-SPEED (1.1)	4.3MM PLENUM

USB-C CABLES

USBC cables extend SuperSpeed and Hi-Speed USB data and power (60W/20V/3A) up to 10m without the need for external power supplies, boosters, or extenders.



PART NUMBER	LENGTH	CONNECTOR A	CONNECTOR B	BANDWIDTH / FORMAT	JACKET
MOFO-USBC-03	3M / 10 FT	MALE USB-C	MALE USB-C	10G / SUPERSPEED (3.1 GEN 2), HI-SPEED (2.0)	4.8MM PLENUM
MOFO-USBC-05	5M / 16 FT	MALE USB-C	MALE USB-C	10G / SUPERSPEED (3.1 GEN 2), HI-SPEED (2.0)	4.8MM PLENUM
MOFO-USBC-08	8M / 26 FT	MALE USB-C	MALE USB-C	10G / SUPERSPEED (3.1 GEN 2), HI-SPEED (2.0)	4.8MM PLENUM
MOFO-USBC-10	10M / 33 FT	MALE USB-C	MALE USB-C	10G / SUPERSPEED (3.1 GEN 2), HI-SPEED (2.0)	4.8MM PLENUM



MOFO™ USB cables support the transmission of power from source electronics to destination electronics – this is particularly useful when integrating web cameras and conferencing equipment. However, some electronics require power beyond the typical USB specification (2.5W/5V/0.9A) and TechLogix recommends powering these devices locally or inserting a powered USB hub on the destination side of the MOFO™ cable run.



USB-A TO USB-C CABLES

USBAC cables adapt USB type A connections to USB type C connections and extend SuperSpeed and Hi-Speed USB data and power (2.5W/5V/0.9A) up to 50m without the need for external power supplies, boosters, or extenders.



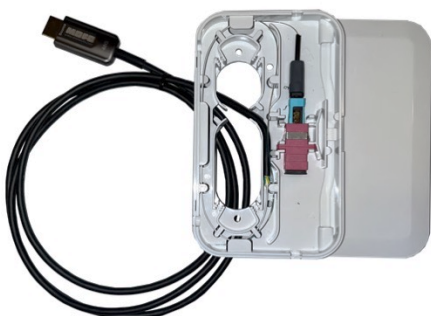
PART NUMBER	LENGTH	CONNECTOR A	CONNECTOR B	BANDWIDTH / FORMAT	JACKET
MOFO-USBAC-03	3M / 10 FT	MALE USB-A	MALE USB-C	10G / SUPERSPEED (3.1 GEN 2), HI-SPEED (2.0)	4.8MM PLENUM
MOFO-USBAC-05	5M / 16 FT	MALE USB-A	MALE USB-C	10G / SUPERSPEED (3.1 GEN 2), HI-SPEED (2.0)	4.8MM PLENUM
MOFO-USBAC-08	8M / 26 FT	MALE USB-A	MALE USB-C	10G / SUPERSPEED (3.1 GEN 2), HI-SPEED (2.0)	4.8MM PLENUM
MOFO-USBAC-10	10M / 33 FT	MALE USB-A	MALE USB-C	10G / SUPERSPEED (3.1 GEN 2), HI-SPEED (2.0)	4.8MM PLENUM
MOFO-USBAC-15	15M / 50 FT.	MALE USB-A	MALE USB-C	10G / SUPERSPEED (3.1 GEN 2), HI-SPEED (2.0)	4.8MM PLENUM
MOFO-USBAC-30	30M / 100 FT	MALE USB-A	MALE USB-C	10G / SUPERSPEED (3.1 GEN 2), HI-SPEED (2.0)	4.8MM PLENUM
MOFO-USBAC-50	50M / 165 FT	MALE USB-A	MALE USB-C	10G / SUPERSPEED (3.1 GEN 2), HI-SPEED (2.0)	4.8MM PLENUM

DISPLAYPORT CABLES

DP20 cables feature the native, uncompressed transmission of DisplayPort signals up to 100m without the need for external power supplies, boosters, or extenders. DP20 cables support VESA resolutions up to 40G 8K.



PART NUMBER	LENGTH	CONNECTOR A	CONNECTOR B	BANDWIDTH / FORMAT	MAX RESOLUTION	JACKET
MOFO-DP20-03	3M / 10 FT	MALE DISPLAYPORT	MALE DISPLAYPORT	40G / DISPLAYPORT 2.0	8K	4.5MM PLENUM
MOFO-DP20-05	5M / 16 FT	MALE DISPLAYPORT	MALE DISPLAYPORT	40G / DISPLAYPORT 2.0	8K	4.5MM PLENUM
MOFO-DP20-08	8M / 26 FT	MALE DISPLAYPORT	MALE DISPLAYPORT	40G / DISPLAYPORT 2.0	8K	4.5MM PLENUM
MOFO-DP20-10	10M / 33 FT	MALE DISPLAYPORT	MALE DISPLAYPORT	40G / DISPLAYPORT 2.0	8K	4.5MM PLENUM
MOFO-DP20-15	15M / 50 FT	MALE DISPLAYPORT	MALE DISPLAYPORT	40G / DISPLAYPORT 2.0	8K	4.5MM PLENUM
MOFO-DP20-23	23M / 75 FT	MALE DISPLAYPORT	MALE DISPLAYPORT	40G / DISPLAYPORT 2.0	8K	4.5MM PLENUM
MOFO-DP20-30	30M / 100 FT	MALE DISPLAYPORT	MALE DISPLAYPORT	40G / DISPLAYPORT 2.0	8K	4.5MM PLENUM
MOFO-DP20-50	50M / 165 FT	MALE DISPLAYPORT	MALE DISPLAYPORT	40G / DISPLAYPORT 2.0	8K	4.5MM PLENUM
MOFO-DP20-70	70M / 230 FT	MALE DISPLAYPORT	MALE DISPLAYPORT	40G / DISPLAYPORT 2.0	8K	4.5MM PLENUM
MOFO-DP20-100	100M / 330 FT	MALE DISPLAYPORT	MALE DISPLAYPORT	40G / DISPLAYPORT 2.0	8K	4.5MM PLENUM



All TechLogix MOFO™ cables feature four strands of bend-insensitive multimode OM3 fiber that can be repurposed using standard fiber optic tools and connectors. Cables used for HDMI, DisplayPort, and USB today can be quickly converted for network and AV over IP signals tomorrow.

Learn to terminate fiber at www.tlnetworkx.com.

