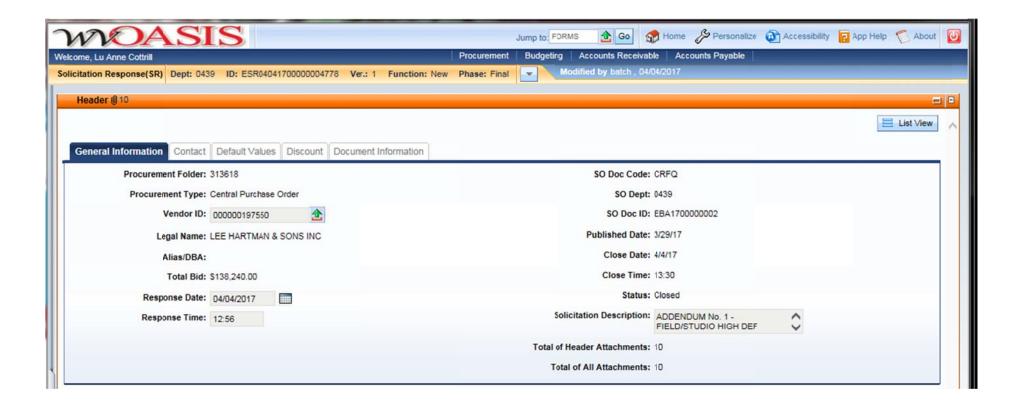


2019 Washington Street, East Charleston, WV 25305 Telephone: 304-558-2306 General Fax: 304-558-6026

Bid Fax: 304-558-3970

The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at *wvOASIS.gov*. As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at *WVPurchasing.gov* with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.





State of West Virginia Solicitation Response

Proc Folder: 313618

Solicitation Description: ADDENDUM No. 1 - FIELD/STUDIO HIGH DEF CAMERAS

Proc Type: Central Purchase Order

 Date issued
 Solicitation Closes
 Solicitation Response
 Version

 2017-04-04 13:30:00
 SR
 0439 ESR04041700000004778
 1

VENDOR

000000197550

LEE HARTMAN & SONS INC

Solicitation Number: CRFQ 0439 EBA1700000002

Total Bid: \$138,240.00 **Response Date:** 2017-04-04 **Response Time:** 12:56:42

Comments:

FOR INFORMATION CONTACT THE BUYER

Michelle L Childers (304) 558-2063 michelle.l.childers@wv.gov

Signature on File FEIN # DATE

All offers subject to all terms and conditions contained in this solicitation

Page: 1 FORM ID: WV-PRC-SR-001

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	FIELD STUDIO CAMERA PACKAGE, SONY PXWX400KF OR EQUAL	4.00000	EA	\$16,900.000000	\$67,600.00

Comm Code	Manufacturer	Specification	Model #
45121515			

Extended Description: 3.1.1 FROM SPECS SONY PXWX400KF FIELD/STUDIO CAMERA PACKAGE PLUS ACCESSORIES

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
2	TRANSIT CASE	4.00000	EA	\$335.000000	\$1,340.00

Comm Code	Manufacturer	Specification	Model #
53121705			

Extended Description: 3.1.2 FROM SPECS: CARRYING CASE FOR CAMERA AND LENS WITH LOCK LATCHING MECHANISMS. SONY LC-H300 OR EQUAL

Comments: This case as specified is not available in America

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
3	TRIPOD ADAPTOR	4.00000	EA	\$330.000000	\$1,320.00

Comm Code	Manufacturer	Specification	Model #	
45121602				

Extended Description: 3.1.3 FROM SPECS: PHYSICAL ADAPTOR PLATE FOR TRIPOD MOUNTING; SONY VCT14 ADAPTOR PLATE OR EQUAL

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
4	FIBER OPTIC CAMERA ADAPTER	4.00000	EA	\$4,320.000000	\$17,280.00

Comm Code	Manufacturer	Specification	Model #	
43223323				

Extended Description: 3.1.4 FROM SPECS: FIBER OPTIC CAMERA ADAPTER; SONY CAFB70 FIBER OPTIC CAMERA ADAPTER OR EQUAL

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
5	OPTICAL FIBER CABLE 100	4.00000	EA	\$585.000000	\$2,340.00

Comm Code	Manufacturer	Specification	Model #	
26121607				

Extended Description:

3.1.7 FROM SPECS: 100 METER FIBER OPTIC CABLE TO CONNECT BETWEEN CAMERA AND CUU; SONY CCFN100 FIBER OPTIC CABLE OR EQUAL

Comments: Alternates are also offered

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
6	REMOTE CONTROL PANEL	4.00000	EA	\$5,490.000000	\$21,960.00

Comm Code	Manufacturer	Specification	Model #	
45121623				

Extended Description:

3.1.6 FROM SPECS: REMOTE CONTROL PANEL; SONY RCP1500 REMOTE CONTROL PANEL OR EQUAL

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
7	CAMERA CONTROL UNIT	4.00000	EA	\$6,600.000000	\$26,400.00

Comm Code	Manufacturer	Specification	Model #	
45121623				

Extended Description :

3.1.5 FROM SPECS: SONY HXCUFB70 OR EQUAL

Products

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PROTECTOR CASE™

1630

Transport Case

DEALER LOCATOR

B2B / GET QUOTE



- » Personalized nameplate service available
- » 4 strong polyurethane wheels with stainless steel bearings (wheel diameter is 5.3cm)
- » Watertight, crushproof, and dustproof
- » 3 level Pick N Pluck™ with convoluted lid foam
- » Automatic Pressure Equalization Valve balances interior pressure, keeps water out
- » Easy open Double Throw latches
- » Fold down handles
- » Lifetime Guarantee of Excellence
- » Note: Please consult a sales specialist for more details.
- » O-ring seal
- » Open cell core with solid wall design strong, light weight
- » Reinforced corners
- » Retractable extension handle
- » Stackable
- » Stainless steel padlock protectors

COLORS

CONFIGURATIONS

SPECS

SUPPORT

ACCESSORIES

INTERIOR (L X W X D)

27.70" x 20.98" x 15.50" (70.4 x 53.3 x 39.4 cm)

EXTERIOR (L X W X D)

31.28" x 24.21" x 17.48" (79.5 x 61.5 x 44.4 cm)

LID DEPTH: 3.25" (8.3 cm)

BOTTOM DEPTH: 12.14" (30.8 cm)

TOTAL DEPTH: 15.39" (39.1 cm)

INT VOLUME: 5.21 ft3 (0.148 m3)

WEIGHT WITH FOAM: 36.00 lbs (16.3 kg)

WEIGHT WITHOUT FOAM: 31.00 lbs (14.1 kg)

BUOYANCY: 350.00 lbs (158.8 kg)

BODY: Polypropylene

LATCH: ABS

O-RING: Polymer

PINS: Stainless Steel

FOAM: 1.3 lb Polyurethane

PURGE BODY: ABS

PURGE VENT: 3 Micron Hydrophobic

Non-Woven

PURGE O-RING: 70 Shore Nitrile

MINIMUM TEMPERATURE: -40° F (-40°

C)

MAXIMUM TEMPERATURE: 210° F (99°

C)

CERTIFICATIONS: IP67 / STANAG

4280 / Def Stan 81-41

WHEELS: 4

EXTENDABLE HANDLE: yes

Exhibit A Pricing Page

Field/Studio High Definition Cameras

n Specification	Description	Brand Bid	Model Bid	UM	Unit Cost	QTY	Extended Cost
1 3.1.1	Field Studio Camera Package, Sony PXWX400KF or equal	54	PXWX 400 KF	Each	16,900	4	67,600
2 3.1.2	Transit Case	Relican	1630	Each	3350=	4	1340
3 3.1.3	Tripod Adaptor	Sony	VCT 14	Each	33000	4	13200
4 3.1.4	Fiber Optic Camera Adaptor	50.4	CAFB70	Each	43200	4	17,280
5 3.1.5	Camera Control Unit	Sony	#XCUFB70	Each	6600	4	26,4000
6 3.1.6	Remote Control Panel	Sony	R CP 1500	Each	5490°	4	21,966
7 3.1.7	Optical Fiber Cable 100 Meters	5004	(CFCM 100	Each	585=		2340=

WV-10 Approved / Revised 12/16/15

State of West Virginia

VENDOR PREFERENCE CERTIFICATE

Certification and application is hereby made for Preference in accordance with *West Virginia Code*, §5A-3-37. (Does not apply to construction contracts). *West Virginia Code*, §5A-3-37, provides an opportunity for qualifying vendors to request (at the time of bid) preference for their residency status. Such preference is an evaluation method only and will be applied only to the cost bid in accordance with the *West Virginia Code*. This certificate for application is to be used to request such preference. The Purchasing Division will make the determination of the Vendor Preference, if applicable.

Application is made for 2.5% vendor preference for the reason checked: Bidder is an individual resident vendor and has resided continuously in West Virginia for four (4) years immediately preceding the date of this certification; or, Bidder is a partnership, association or corporation resident vendor and has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification;
Bidder is a resident vendor partnership, association, or corporation with at least eighty percent of ownership interest of bidder held by another entity that meets the applicable four year residency requirement; or,
Bidder is a nonresident vendor which has an affiliate or subsidiary which employs a minimum of one hundred state residents and which has maintained its headquarters or principal place of business within West Virginia continuously for the four (4) years immediately preceding the date of this certification; or,
Application is made for 2.5% vendor preference for the reason checked: Bidder is a resident vendor who certifies that, during the life of the contract, on average at least 75% of the employees working on the project being bid are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,
Application is made for 2.5% vendor preference for the reason checked: Bidder is a nonresident vendor that employs a minimum of one hundred state residents, or a nonresident vendor which has an affiliate or subsidiary which maintains its headquarters or principal place of business within West Virginia and employs a minimum of one hundred state residents, and for purposes of producing or distributing the commodities or completing the project which is the subject of the bidder's bid and continuously over the entire term of the project, on average at least seventy-five percent of the bidder's employees or the bidder's affiliate's or subsidiary's employees are residents of West Virginia who have resided in the state continuously for the two immediately preceding years and the vendor's bid; or,
Application is made for 5% vendor preference for the reason checked: Bidder meets either the requirement of both subdivisions (1) and (2) or subdivision (1) and (3) as stated above; or,
Application is made for 3.5% vendor preference who is a veteran for the reason checked: Bidder is an individual resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard and has resided in West Virginia continuously for the four years immediately preceding the date on which the bid is submitted; or,
Application is made for 3.5% vendor preference who is a veteran for the reason checked: Bidder is a resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard, if, for purposes of producing or distributing the commodities or completing the project which is the subject of the vendor's bid and continuously over the entire term of the project, on average at least seventy-five percent of the vendor's employees are residents of West Virginia who have resided in the state continuously for the two immediately preceding years.
Application is made for preference as a non-resident small, women- and minority-owned business, in accordance with West Virginia Code §5A-3-59 and West Virginia Code of State Rules. Bidder has been or expects to be approved prior to contract award by the Purchasing Division as a certified small, women- and minority-owned business.
Bidder understands if the Secretary of Revenue determines that a Bidder receiving preference has failed to continue to meet the requirements for such preference, the Secretary may order the Director of Purchasing to: (a) rescind the contract or purchase order; or (b) assess a penalty against such Bidder in an amount not to exceed 5% of the bid amount and that such penalty will be paid to the contracting agency or deducted from any unpaid balance on the contract or purchase order.
By submission of this certificate, Bidder agrees to disclose any reasonably requested information to the Purchasing Division and authorizes the Department of Revenue to disclose to the Director of Purchasing appropriate information verifying that Bidder has paid the required business taxes, provided that such information does not contain the amounts of taxes paid nor any other information deemed by the Tax Commissioner to be confidential.
Bidder hereby certifies that this certificate is true and accurate in all respects; and that if a contract is issued to Bidder and if anything contained within this certificate changes during the term of the contract, Bidder will notify the Purchasing Division in writing immediately.
Bidder: Lee Hartman + Sons, Inc Signed: Acres Tex
Date: 4-4-2017 Title: Area manager

*Check any combination of preference consideration(s) indicated above, which you are entitled to receive.

DESIGNATED CONTACT: Vendor appoints the individual identified in this Section as the
Contract Administrator and the initial point of contact for matters relating to this Contract.
Low Yen Avea Manager
(Name, Title)
Larry T. Cox Aven Manager
(Printed Name and Title) 3 Davis (6-rt, Hussiane, www 25526
(Address)
304-397-4100 / 304-397-4101
(Phone Number) / (Fax Number)
1 Cox d Lee Hartman. Com
(email address)
CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.
hee Hurtman & Sons INC
(Company)
Ω Ω
(Authorized Signature) (Representative Name, Title)
(Printed Name and Title of Authorized Representative)
(Printed Name and Title of Authorized Representative)
4-4-2017
(Date)
304.397-4100 / 304-397-4101
(Phone Number) (Fax Number)

Revised 01/18/2017

STATE OF WEST VIRGINIA Purchasing Division

PURCHASING AFFIDAVIT

MANDATE: Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

EXCEPTION: The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. Code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

DEFINITIONS:

WITNESS THE FOLLOWING SIGNATURE:

NOTARY PUBLIC STATE OF WEST VIRGINIA

ASHLEY NICHOLSON THE FIRST STATE BANK

3754 TEAYS VALLEY ROAD HURRICANE, WV 25526 My Commission Expires SEPTEMBER 08, 2021

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Employer default" means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

"Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceed five percent of the total contract amount.

AFFIRMATION: By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

Authorized Signature: County of Putnam County to-wit: Taken, subscribed, and sworn to before me this 4 day of April 2017. My Commission expires September 08 , 2021. AFFIX SEAL HERE NOTARY PUBLIC Purchasing Affidavit (Revised 08/01/2015)



Camplex 2-Channel Singlemode Fiber Optic Tactical Snake Reels with LC Connectors



Ruggedized singlemode multi-channel fiber optic cables designed for multiple deployments for field production in outside broadcast, rental houses and more. Highly flexible tight-buffered tactical cables with internal aramid strength members for crush resistance in high traffic areas if handled properly and a polyurethane outer sheath designed to withstand crushing by both Military Tanks and Outside Broadcast vehicles. Cables are complete end-to-end tactical grade where fanout channels are covered with tactical grade polyurethane furcation tubing. All assemblies multi-stage machine polished and tested for <.55db RL (complete per-channel test results available on request). Built in-house at our state-of-the-art fiber lab - the only fiber lab in the US to have achieved full certification from LEMO. Neutrik & Canare!

Our Tactical Fiber Snake Reels include JackReel, Schill or Hannay fiber optic cable reels with in-hub fanout & connector protection cavity. Each reel has been carefully selected to ensure proper support and critical bend radius required by fiber optic cables. We recommend tactical fiber optic cables over 25 feet be stored on a cable reel.

Custom configurations and assemblies as well as full repair services are always available for any brand tactical or SMPTE hybrid fiber cable.

Features:

- Built in our Fiber Shop with OCC Multichannel Tactical Cable & Heavy Duty Connectors with Dust Caps
- Individual 36-Inch Fanout Channels Protected with Polyurethane Tactical Furcation Tubing
- · Compact, round cable design for ease of transportation and deployment
- · Designed for use in adverse environments where reduced size and weight are important
- Helically stranded cable core for flexibility, deployment survivability and exceptional mechanical protection for the optical fibers
- · Cables have been tested and are in use in military data communications applications worldwide
- Can be used outdoors for temporary deployment directly on the ground in all terrains, including severe
 environments
- Suitable for outside broadcast, industrial, mining and petrochemical environments chemical resistant
- · Crush-resistant and resilient with a thick layer of aramid strength members
- · Polyurethane jacketed for abrasion, cut and chemical resistance
- Meets & Exceeds MIL-PRF-85045 Specifications!

Specifications:

- Industry Standard Designation: Single-Mode ITU-T G.652.A
- Core/Cladding Diameter (æm): 9/125
- Wavelength (nm): 1310/1550 Maximum Cabled Attenuation (dB/km): 0.5/0.5
 - Primary Coating Diameter (æm): 500
- Secondary Buffer Diameter (æm): 900 • Zero Dispersion Slope (ps/nm2-km): 0.092
- Proof Test Level (kpsi): 100 Typical RL <-55dB and IL<0.25dB



Camplex 2-Channel Fiber Optic Tactical Reels with LC Connectors



This 2 channel tactical fiber cable is designed for Broadcast & Pro-AV deployment applications and meets all outdoor tactical needs for applications requiring an outdoor rated crush and impact resistant design. The tough Thermoplastic Polyurethane Core-Locked design is perfect for any situation where ordinary PVC jacket cables do not provide adequate protection in the field. Featuring Senko LC or ST premium fiber connectors. All assemblies are machine polished and interferometer tested to industry standards. All products are 100% tested and a complete set of test documentation of your cable is available upon request.

Ruggedized multi-channel fiber optic cables designed for multiple deployments for field production in outside broadcast, rental houses and more. Highly flexible tight-buffered tactical cables with internal aramid strength members for crush resistance in high traffic areas if handled properly and a polyurethane outer sheath designed to withstand crushing by both military tanks and Outside Broadcast vehicles. All assemblies multi-stage machine polished and tested for <.55db RL with test results for each channel supplied with each cable. Built in-house at our state-of-the-art trained fiber shop with full repair services available.

Note: Our Tactical Fiber Snake Reel INCLUDE fiber optic cable reels with connector protection cavity and hinged latching door. Each reel has been carefully selected to ensure proper support and critical bend radius required by fiber optic cables. We recommend tactical fiber optic cables over 25 feet be stored on a cable reel.

Custom Lengths & Configurations Always Available as well as cables with SC, ST & LC APC connectors!

Features:

- Broadcast Deployable
- Indoor/Outdoor rated jacket.
- Typical RL <-55dB and IL<0.25dB.
- Wide temperature range (typically -55°C to 85°C)
- 500um primary acrylate buffer with 900um secondary hard buffer
- Excellent crush and impact resistance due to their polyurethane Core-Locked outer jacket
- Designed to withstand crush and impact after deployment
- Strong, lightweight and extremely durable cable

Specifications:

- Industry Standard Designation: SMF-28
- Core/Cladding Diameter (um): 9/125 Wavelength (nm): 1310/1550
- Maximum Cabled Attenuation (dB/km): 0.5/0.5
- Primary Coating Diameter (um): 500

Typical RL <-55dB and IL<0.25dB

Secondary Buffer Diameter (um): 900



Camplex 9u/125u Yellow Singlemode Duplex LC to LC Fiber Optic Patch Cables



Performance series LC to LC 9/125 Duplex (Dual) Singlemode fiber optic cables from Camplex. Manufactured with high quality components, these fiber optic patch cables feature Yellow OFNR jackets. Camplex fiber optic patch cables are fully tested to ensure reliable performance in critical applications. Custom lengths & connector combinations always available from our in-house Fiber Lab.

Features:

- Features a 9um core and 125um cladding.
- Singlemode, Duplex (Dual) cords
- Ideal for patching singlemode backbones to high-speed network devices
- Ceramic ferrules for long-lasting reliability and precision
- Ceramic ferrules for long-lasting reliability and precision alignment
- Used to connect patch panels and/or network devices OFNR jacket complies with stringent building codes



Camplex SMPTE 311M opticalCON DUO to opticalCON DUO SingLEMOde Fiber Optic Outside Broadcast Cable Reels



OpticalCON DUO NO2SX to NO2SX Singlemode Hybrid SMPTE 311M Cable with Tactical Reel. OpticalCON assemblies are COCA factory terminated and machine polished in our state of the art Fiber Optic Lab. Neutrik Optical CON assemblies are made with outside broadcast SMPTE 311M cable rated for ruggedized applications and field deployment in commercial and professional broadcast AV applications. Machine polishing processes provide exceptionally low return loss and insertion loss. OpticalCON features a ruggedized connector body, common LC contacts and a mechanical shutter system to shield against endface contamination. SMPTE cable with 2 singLEMOde fiber UPC, 2 x AWG24 and 2 x AWG16 or (2x17AWG) stranded copper conductors, overall copperbraided shield and stainless steel strengh member. This cable is not compatable with the SMPTE 304M standard. Suitable for indoor (studio) camera links considering specific conditions acc. to IEC 60664-1 like pollution degree 1, overvoltage category 1 and rated voltage. Our cables are exlusively assembled using the Neutrik opticalCON ADVANCED system, opticalCON ADVANCED further enhances the original opticalCON making it more robust by adding lockable and water proofed metal caps as well as rubber guards. This is especially critical for outdoor applications. The ergonomically cable strain relief improves the cable protection and water resistance in long-term use, and the color-coding options allow custom-built coding.

Features:

- Heavy Duty Tactical Reel with Side Reel Flange Included
- OpticalCON assemblies are interfermetrically tested to GR-326-CORE endface standards.
- Machine polished and tested end faces
- Tactical tight buffered PUR Cable
- Optical Shutter Mechanism for added protection
- Typical back reflection <-55dB
- Heavy Duty Tactical Reel with Side Reel Flange (TR version only)
- Ruggedized and dirt protected 2 channel fiber optic connection system
- Waterproof acc. to IP65 in mated condition
- Accommodates standard optical LC-Duplex connectors
- Cable connector features rugged all metal housing and heavy duty cable retention
- Excellent dust and dirt protection due to automatic sealing shutter with silicone gasket
- Reliable Push-Pull locking mechanism
- Easy to clean, no tools required

Applications

- Digital Audio & Video
- Digital Signage
- Data & Networking
- Lighting Control
- Deployable, Staging, and Harsh Environment
- JVC FS-790, FS-CABHYB100, FS-CABHYB200, FS-CABHYB500
- SONY CA-FB70, HXC-D70, HXCE-FB70, HXCU-FB70 SONY CCFN-25, CCFN-50, CCFN-100

Specifications:

- Overall Specifications
- (2) Neutrik OpticalCon DUO, NO2SX
- OB SMPTE 311M, Polyurethane Jacket, 9.2mm diameter, Black Nickel Finish Connector Body
- 50', 100', 164', 250', 328', 500', 656' or Custom
- Mechanical Specifications
- Cable Retention Force = 500N
- Lifetime >1000 Cycles
- Insertion/Withdrawal Force < 45N Operating Temperature -25°C to +75°C
- Optical Specifications
- Type LC-UPC (Straight Polish)
- · Fiber Type 9m Single-mode Fiber
- Cable Loss < 0.45dB/km @ 1310/1550nm Optical Back Reflection -55dB/-45dB RL (typical/max)
- 24 AWG Data Conductors, 16 AWG or 17 AWG (2x20AWG) Auxiliary Conductors
- CMR rated, UL1666 Flame Tested, Indoor / Outdoor Cable (9.125mm OD)
- Aramid Yarn and 302 Stainless Steel Strength Members

Model/Part Number Description

Unit Extended

HF-TROCSMPT-0328 OpticalCON Duo SMPTE 311M SM Fiber Optic OB Reel 328 ft \$1898.00 \$7592.00

HF-TRO2LC-0328 2 Channel LC Single Mode Fiber Optic Tactical Snake on Reel 328ft \$500.00 \$2000.00

CMX-TRO2LC-0328 2 Channel LC Single Mode Fiber Optic Tactical Snake on Reel 328ft \$410.00 \$1640.00

SMD9-LC-LC-100 100 Meter 9u/125u Fiber Optic Singlemode Duplex LC to LC –Yellow \$55.00 \$220.00