



CITY OF AZTEC  
 REQUEST FOR QUOTATION  
 RFQ #2020-743  
**THIS IS NOT AN ORDER**

DATE:	03/02/2020	SUBMIT QUOTES TO:  CITY OF AZTEC ATTN: Geri Raymond 201 W CHACO, AZTEC NM 87410  EMAIL: graymond@aztecnm.gov  PHONE: (505) 334-7667 FAX: (505) 334-7684	<b>QUESTIONS SHOULD BE DIRECTED TO:</b>  <b>Ken George</b> <b>505-334-7667</b> <b>kgeorge@aztecnm.gov</b>
RFQ #:	2020-743		
<b>DUE DATE:</b>	<b>03/11/2020</b>		
<b>TIME:</b>	<b>10:00 am</b>		
NIGP CODE(S):	280-00		

**NAME OF COMPANY SUBMITTING QUOTE:** \_\_\_\_\_

NEW MEXICO RESIDENT PREFERENCE	PAYMENT TERMS	DELIVERY/SERVICE ADDRESS
# _____  <u>New Mexico Resident or Veteran Preference will be applied to only those certified vendors who have included both number (written above) <b>AND</b> attach current certificate.</u>	_____ % _____ DAYS  NET 30 DAYS AFTER RECEIPT OF INVOICE	402 S Lightplant Aztec NM 87410
		<b>FOB DESTINATION – FREIGHT COSTS:</b>

**NOTES TO BIDDERS:** Specifications are attached; equivalent will be considered with provided cut sheet/spec information.

ITEM #	DESCRIPTION	QTY	UNIT	PRICE PER UNIT	TOTAL	DELIVERY TIME AFTER ORDER
1	ADSS 12 Fiber Single Mode Cable Draka F-ADES1025-12-ES-012-E3	10,000	FT			
2	ADSS 48 Fiber Single Mode Cable Draka F-ADES1025-12-ES-048-E3	10,000	FT			
3	ADSS 96 Fiber Single Mode Cable Draka F-ADES1025-12-ES-096-E3	10,000	FT			

DATE OF QUOTE	
SUBMITTED BY (Printed Name)	
SIGNATURE (To be valid offer, bidder must sign here)	
COMPANY NAME	
ADDRESS, CITY, STATE, ZIP	
TELEPHONE	
FAX	
EMAIL ADDRESS	
FED TAX ID NUMBER	
NM CRS ID NUMBER	

- RFQ shall be FOB Destination and must indicate normal lead time and/or best delivery date on the items listed. Shipping costs shall be included in quote. New Mexico laws prohibit acceptance of ownership of goods in transit.
- This RFQ and any required documents must be received by the Department indicated on the RFQ by the date and time indicated. RFQ's may be submitted via email, fax or USPS.
- All supplies and components quoted shall be new unless indicated otherwise. Any quotes submitted for used or reconditioned supplies or components will be considered non-responsive. Quotes must be valid for a minimum of 30 days.
- The RFQ Number shall appear on all quotations and related correspondence.
- New Mexico Resident & Veteran Vendor Preference: Preference will only be applied to those Bidders who have been issued a certification number from the State of New Mexico Taxation & Revenue Department and return a copy of their certificate with their quote. Veterans Preference is separate from the New Mexico resident preference and is not cumulative with that preference.
- Use of Contract by Other Agencies: Pursuant to Section 13-1-129, NMSA 1978, Bidders /Contractors /Offerors are hereby notified that any central purchasing office allowed by law and as otherwise allowed by their respective governing rules and regulations, may contract for the goods and/or services included in this procurement document with the awarded Bidder /Contractor /Offeror. Contractual engagements accomplished under this provision shall be solely between the Bidder /Contractor /Offeror and the contracting entity with no obligation by the City of Aztec.
- By law (Section 13-1-191, NMSA, 1978) the City is required to inform Vendors of the following: (1) it is a third-degree felony under New Mexico law to commit the offense of bribery of a public officer or public employee (Section 30-24-1, NMSA, 1978); (2) it is a third-degree felony to commit the offense of demanding or receiving a bribe by a public officer or public employee (Section 30-24-2, NMSA, 1978); (3) it is a fourth-degree felony to commit the offense of soliciting or receiving illegal kickbacks (Section 30-41-1, NMSA, 1978); (4) it is a fourth-degree felony to commit the offense of offering or paying illegal kickbacks (Section 30-41-2, NMSA, 1978).
- Conflict of Interest: Bidder warrants that it presently has no interest and will not acquire any interest, direct or indirect, which would conflict in any manner or degree with the performance of service under this contract. Bidder must notify the City's Chief Procurement Officer if any employee(s) of the requesting department or the Purchasing Office have a financial interest in the Bidder. If yes, the Bidder must specify the employee(s) name in their proposal.
- Debarment, Suspension, and Ineligibility: By submitting a response (RFQ/Bid/Offer) to this solicitation, the business (Bidder /Offeror /Contractor) represents and warrants that it is not debarred, suspended, or placed in ineligibility under the provisions of Federal Executive Order 12549.
- New vendors required to complete Vendor Packet <http://www.aztecnm.gov/purchasing/NewVendorPacket.pdf> prior to issuance of purchase order.



## ezSPAN® ADSS

All-dielectric self-supporting loose tube cable



All-Dielectric Self-Support (ADSS) easy entry fiber cable for up to 1200' (365m) spans typical in distribution.

### Overview

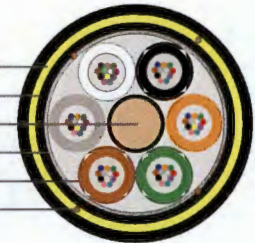
Prysmian's ezSPAN® ADSS provides reliable self-support performance for up to 1200 feet (365 meters). Each ezSPAN® ADSS cable is custom engineered for each application based on its full weather load, ensuring safe, reliable lifetime performance. Flexible buffer tubes enable ease of mid-entry, preparation and routing in splice closures. These cables uniquely combine flexible buffer tubes and swellable water-blocking to make ezSPAN the easiest ADSS cables to prep and access.

### Product Snapshot

<b>Applications</b>	Self-supporting aerial deployment for communications & power transmission
<b>Constructions</b>	All-dielectric round - typical span lengths up to 1,200' (305m), single and dual jacket
<b>Fiber Count</b>	12 to 144 fibers in color coded buffer tubes
<b>Fiber Types</b>	Single-mode / bend-insensitive / NZDSF / multimode / hybrid
<b>Standards</b>	IEEE 1222-2011, ANSI / ICEA 640, IEC, RUS 7 CFR 1755 (RUS LISTED), Telecordia GR-20
<b>Registered Supplier</b>	ISO 9001, ISO 14001, TL 9000, and OHSAS 18001
<b>Other Versions</b>	Long Span ADSS



- Aramid Strength Yarns
- Inner Jacket Polyethylene (optional)
- Central Strength Member
- Water Blocking Material
- Gel-Filled Buffer Tube Containing up to 12 Fibers
- Ripcord



### Features and Benefits

#### Easy Cable Entry and Preparation

- 12 fibers per tube construction up to 144 fiber designs allow easy termination and mid-span fiber access
- Flexible buffer tubes and single jacket option enhance mid-entry
- Ripcord speeds cable entry and outer jacket removal
- Swellable binders speed cable preparation

#### Flexible Routing and Termination

- Flexible buffer tubes simplify routing, storage and prep
- Available with G657.A1 and G657.A2 bend-insensitive single-mode fiber

#### Versatile Installation and Use

- Tailored designs span distances up to 1200' (305m) without interrupting power
- Easy mid-entry is ideal for FTtx distribution applications
- Matching pole attachment hardware (dead-ends, suspension clamps)

#### Reliable Lifetime Performance

- Custom engineered for operation under full load
- Guaranteed standards-based performance



## ezSPAN® ADSS

All-Dielectric Self-Supporting Loose Tube Cable

### PLP ATTACHMENT HARDWARE CONSIDERATIONS

- Dead-ends indicated are Limited & Medium Tension dead-ends. The Limited Tension dead-end is designed for a maximum long-term tension of 1000 lbs and short-term tension of 2500 lbs. The Medium Tension dead-end is designed for 2000 lbs for long-term tensions and 4000 lbs for short-term loads. Semi-high or High Tension dead-ends should be used for higher tension ratings.
- Limited Tension dead ends are limited to a maximum span length of 600 feet.
- C1E1 designates thimble clevis and extension link (recommended).
- Aluminum Suspension is designed for in-line support with a maximum angle change of 20° and a maximum span of 600 feet.
- Spans of > 600 to 1200 feet require reinforcing rods (SSR).
- The "S" designates anchor shackle and eye-nut (recommended).
- Vibration dampers may be required.
- Aluminum support is designed for in-line support with a maximum angle change of 20° and a maximum span of 600 feet.

### INSTALLATION SPECIFICATIONS

#### Minimum Bend Radius

With load: 20x cable diameter

No load: 10x cable diameter

#### Temperature Range

Shipping and Storage -40° F to +167° F (-40° C to +75° C)

Installation -22° F to +140° F (-30° C to +60° C)

Operation -40° F to +158° F (-40° C to +70° C)

Maximum Stringing Tension: 600 lbs

## ezSPAN® ADSS

All-Dielectric Self-Supporting Loose Tube Cable

### NESC Medium Loading ezSPAN Single Jacket

#### 6-30 Fibers (6 fibers per tube)

Span Distance (ft)	Cable Outside Diameter (in)	Maximum Rated Cable Load (MRCL) (lbs)	Initial Sag (%)	*Cable Part Numbers	PLP Attachment Hardware Part #			
					Dead End	AI Suspension w/o SSR (< 600 ft)	AI Suspension with SSR	AI Support Spans < 600 ft
280	0.393	465	1.5	F-ADES0465-06-HB-XXX	287500TE	4450198S	-	4450098

#### → 12-72 Fibers

Span Distance (ft)	Cable Outside Diameter (in)	Maximum Rated Cable Load (MRCL) (lbs)	Initial Sag (%)	*Cable Part Numbers	PLP Attachment Hardware Part #			
					Dead End	AI Suspension w/o SSR (< 600 ft)	AI Suspension with SSR	AI Support Spans < 600 ft
* up to 500	0.482	1025	1.5	F-ADES1025-12-HB-XXX	2872004C1E1	4450200S	4470200S	4450100
600	0.484	1115	1.5	F-ADES1115-12-HB-XXX	2872004C1E1	4450200S	4470200S	4450100
700	0.488	1295	1.5	F-ADES1295-12-HB-XXX	2872100C1E1	4450200S	4470200S	4450100
800	0.492	1525	1.5	F-ADES1525-12-HB-XXX	2872100C1E1	4450200S	4470200S	4450100
900	0.496	1705	1.5	F-ADES1705-12-HB-XXX	2872100C1E1	4450200S	4470200S	4450100

#### → 84-96 Fibers

Span Distance (ft)	Cable Outside Diameter (in)	Maximum Rated Cable Load (MRCL) (lbs)	Initial Sag (%)	*Cable Part Numbers	PLP Attachment Hardware Part #			
					Dead End	AI Suspension w/o SSR (< 600 ft)	AI Suspension with SSR	AI Support Spans < 600 ft
* up to 500	0.567	1025	1.5	F-ADES1025-12-HB-XXX	2872006C1E1	4450201S	4470202S	4450101
600	0.571	1255	1.5	F-ADES1255-12-HB-XXX	2872006C1E1	4450201S	4470202S	4450101
700	0.575	1475	1.5	F-ADES1475-12-HB-XXX	2872102C1E1	4450201S	4470202S	4450101
800	0.578	1705	1.5	F-ADES1705-12-HB-XXX	2872103C1E1	4450202S	4470202S	4450102
900	0.582	1885	1.5	F-ADES1885-12-HB-XXX	2872103C1E1	4450202S	4470202S	4450102

#### 108-144 Fibers

Span Distance (ft)	Cable Outside Diameter (in)	Maximum Rated Cable Load (MRCL) (lbs)	Initial Sag (%)	*Cable Part Numbers	PLP Attachment Hardware Part #			
					Dead End	AI Suspension w/o SSR (< 600 ft)	AI Suspension with SSR	AI Support Spans < 600 ft
up to 400	0.733	1025	1.5	F-ADES1025-12-HB-XXX	2872010C1E1	4450204S	4470204S	4450104
500	0.737	1295	1.5	F-ADES1295-12-HB-XXX	2872010C1E1	4450204S	4470204S	4450104
600	0.740	1565	1.5	F-ADES1565-12-HB-XXX	2872011C1E1	4450204S	4470205S	4450104
700	0.744	1835	1.5	F-ADES1835-12-HB-XXX	2872107C1E1	4450204S	4470205S	4450104
800	0.747	2105	1.5	F-ADES2105-12-HB-XXX	2872107C1E1	4450204S	4470205S	4450104
900	0.751	2375	1.5	F-ADES2375-12-HB-XXX	2872107C1E1	4450205S	4470205S	4450105



## Ordering Guide

The Prysmian Group part number incorporates several significant attributes involving cable design and optical performance. The appropriate part number can be configured using the process described below.

**Example: ezSpan™ ADSS | single jacket (12 fibers/tube) with 144 single-mode fibers (printed in feet)**

<b>1</b> LENGTH MARKINGS	<b>2</b> PRODUCT FAMILY	<b>3</b> CONSTRUCTION	<b>4</b> LOAD RATING	<b>5</b> FIBER GROUPING	<b>6</b> FIBER TYPE	<b>7</b> FIBER COUNT	<b>8</b> FIBER GRADE
F	ADE	S	XXXX	12	HB	144	E3

PART NUMBER CONSTRUCTION	
<b>1</b> LENGTH MARKINGS	F = Feet or M = Meters
<b>2</b> PRODUCT FAMILY	ADE = ezSpan ADSS
<b>3</b> CONSTRUCTION	S = Single Jacket D = Double Jacket
<b>4</b> LOAD RATING	Max Rated Cable Load (lbs)
<b>5</b> FIBER GROUPING	12 = 12f per tube

FIBER INFORMATION				
<b>5 FIBER TYPE</b>				
SINGLE-MODE				
HB = Single-Mode (ITU G.652 C & D) Low Water Peak				
→ ES = Enhanced Single-Mode (ITU G.652 C & D)				
CE = Corning™ SMF28e+ Single-Mode				
B1 = Bend-Insentive Single-Mode (ITU G.657.A1 & G.652.D)				
B2 = Bend-Insentive Single-Mode (ITU G.657.A2 & .B2, & G.652.D)				
TU = TeraLight™ Ultra Single-Mode (ITU G.655 & G.656)				
LE = LEAF NZDSF (ITU G.655)				
MULTIMODE				
	Wavelength (nm)	Bandwidth (MHz)	1 GbE Dist (m)	10 GbE Dist (m)
G6 = OM1 (62.5µm)	850/1300	200/500	300/550	33/___
G5 = OM2+ BIF (50µm)	850/1300	700/500	800	150/___
G3 = OM3 BIF (50µm)	850/1300	1500/500	1000	300/___
G4 = OM4 BIF (50µm)	850/1300	3500/500	1100	550/___
<b>6 FIBER COUNT</b>				
004 to 144 fibers				
<b>7 FIBER GRADE</b>				
SINGLE-MODE				
Attenuation (dB/km)	Wavelength (nm)	Fiber Type		
E1 = 0.40/0.40/0.30	1310/1383/1550	HB, ES, or CE		
→ E3 = 0.35/0.35/0.25	1310/1383/1550	HB, ES, CE, B1, or B2		
NA = 0.40/0.25	1310/1550	TeraLight™ Ultra Single-Mode		
N1 = 0.25	1550	LEAF Single-Mode		
MULTIMODE				
Attenuation (dB/km)	Wavelength (nm)			
M2 = 3.5/1.0	850/1300			
M3 = 3.0/1.0	850/1300			
Other cable constructions and fiber performance grades available on request.				

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