



# CITY OF AZTEC

## REQUEST FOR QUOTATION

### RFQ #2017-604

DATE: 03/09/2017	RETURN TO: CITY OF AZTEC Electric Department	THIS IS NOT AN ORDER
RFQ #: 2017- 604	ATTN: RFQ #2017- 604	
DUE DATE: 03/23/2017	201 W Chaco	
TIME: 3:00 pm	AZTEC NM 87410 EMAIL: <a href="mailto:graymond@aztecnm.gov">graymond@aztecnm.gov</a>  PHONE: (505) 334-7667 FAX: (505) 334-7684	

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

NEW MEXICO IN STATE PREFERENCE	PAYMENT TERMS	F.O.B./FREIGHT TERMS	SHIPPING TIME
# _____  <u>In-State or Veteran's Preference will be applied to only those certified vendors who have completed item 6 or 7 below.</u>  <b>Number AND certificate must be provided to be considered.</b>	_____ % _____ DAYS  NET 30 DAYS AFTER RECEIPT OF INVOICE	402 S Lightplant Road Aztec NM 87410	

DESCRIPTION	QTY	BRAND	PRICE PER REEL	TOTAL
1/0 15KV .220 MILL EPR ALUM JACKETED OKONITE CABLE The Okonite Company Part# 163-23-3072	7500' (3-2500' REELS)	OKINITE CABLE -See attached Product Data Sheet		

Refer all questions regarding this Request for Quotation to Geri Raymond at (505) 334-7667 or email [graymond@aztecnm.gov](mailto:graymond@aztecnm.gov)

1. RFQ should be based on FOB Destination with freight allowed and must indicate normal lead time and/or best delivery date on the items listed.
2. This RFQ and any required documents must be received by the Department indicated on the RFQ by the date and time indicated.
3. 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.
4. The RFQ Number shall appear on all quotations and related correspondence.
5. In-State/Resident Vendor 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 bid. Resident Veterans Preference is separate from the in-state preference and is not cumulative with that preference.
6. RFQ's may be returned via email, fax or USPS. (Reference Item #2)
7. 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).
8. 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.
9. 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.

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



# Okoguard® URO-J

## 15kV Underground Primary Distribution Cable-Jacketed Red Identification Stripes

Filled Strand Aluminum Conductor/105°C Rating  
100% and 133% Insulation Levels



- A Conductor - Stranded Aluminum with Filled Strand - Water Swellable Power
- B Strand Screen - Extruded Semi-conducting EPR
- C Insulation - Okoguard EPR
- D Insulation Screen - Extruded Semi-conducting EPR
- E Concentric Conductor-Bare Copper Wires
- F Encapsulating Jacket-Okolene with Extruded ID Stripes & NESC lightning bolt

### Insulation

Okoguard is Okonite's registered trade name for its exclusive ethylene-propylene rubber (EPR) based, thermosetting compound, whose optimum balance of electrical and physical properties is unequalled in other solid dielectrics. Okoguard insulation, with the distinctive red color and a totally integrated EPR system, provides the optimum balance of electrical and physical properties for long, problem free service.

The triple tandem extrusion of the screens with the insulation provides optimum electrical characteristics.

The compressed conductors are filled with water swellable powder. This construction slows the migration of water through the strands in the event of a mechanical dig-in followed by external exposure to water.

An insulation screen of ethylene-propylene rubber is extruded over the insulation. The copper concentric wires are uniformly spaced around the insulation screen. The overall polyethylene jacket provides protection against mechanical damage and corrosion.

Product identification is provided through the use of three red stripes placed 120° apart in the black jacket, with an NESC lightning bolt.

### Applications

Okoguard URO-J cables provide maximum circuit longevity in underground residential distribution systems. They can be buried directly or installed in underground ducts or conduits.

### Specifications

**Central Conductor:** Aluminum per ASTM B-609, Class B stranded per B-231.

**Filled Strand:** Water swellable powder meets or exceeds ICEA T-31-610 water penetration resistance and ANSI/NEMA class A connectorability requirements.

**Conductor Screen:** Extruded semiconducting ethylene-propylene rubber meets or exceeds the requirements of ICEA S-94-649 and AEIC CS8.

**Insulation:** Extruded Okoguard meets or exceeds the requirements of ICEA S-94-649 and AEIC CS8.

**Insulation Screen:** Extruded semiconducting ethylene-propylene rubber meets or exceeds the requirements of ICEA S-94-649 and AEIC CS8.

**Concentric Conductor:** Bare copper wires.

**Jacket:** Black Okolene with red extruded stripes meets or exceeds the requirements of ICEA S-94-649 for polyethylene jackets.

### Product Features

- Triple tandem extruded, all EPR system.
- Okoguard cables meet or exceed NEMA/ICEA and RUS 7CFR 1728.204 standards.
- 105°C continuous operating temperature.
- 140°C emergency rating.
- 250°C short circuit rating.
- Excellent corona resistance.
- Low dielectric constant and power factor.
- Screens are clean stripping.
- Exceptional resistance to "treeing".
- Filled strand conductor.
- Moisture resistant.
- Overall jacket provides extended life.
- Excellent resistance to most chemicals.
- Can be listed by UL as Type MV-90 on special orders.
- Cable listed by CSA to C68.5 on special orders.
- Design Options:
  - Additional conductor sizes
  - Copper central conductor
  - Copper flat strap concentric neutral
  - Product identification via colored jackets.
  - Semiconducting jackets.
- Improved Temperature Rating. Okoguard insulation system has been tested and qualified for operation at 105°C continuous and 140°C emergency operating temperature.
- Minimum installation temperature of -40°C.

# Okoguard URO-J

15kV Underground Primary Distribution Cable-Jacketed  
 Red Identification Stripes  
 Filled Strand Aluminum Conductor/105°C Rating  
 100% Insulation Level

## Product Data Section 2: Sheet 36

### Okoguard Insulation: 175 mils 100% Insulation Level

Catalog Number	Conductor Size AWG/kcmil	Nominal Dia. over Insulation (in.)	Nominal Dia. over Insulation Screen (in.)	Copper Neutral, No. x AWG (1)	Nominal O.D. (in.)	Aprox Net Weight lbs./1000'	Aprox. Ship Weight lbs./1000'	90°C Ampacity	90°C Ampacity Direct Burial (2)	105°C Ampacity Duct (2)	105°C Ampacity Direct Burial (2)
<b>FULL NEUTRAL</b>											
163-23-2060	2(7x)	0.68	0.76	10 x 14	1.00	536	626	170	125	185	135
163-23-2066	1(19x)	0.72	0.80	13 x 14	1.03	608	698	195	145	210	155
**163-23-2072	1/0(19x)	0.76	0.84	16 x 14	1.07	688	778	220	160	235	175
163-23-2075	2/0(19x)	0.81	0.88	13 x 12	1.15	820	910	250	185	270	205
163-23-2078	3/0(19x)	0.86	0.93	16 x 12	1.20	939	1029	285	210	310	230
163-23-2081	4/0(19x)	0.91	0.99	13 x 10	1.30	1138	1238	320	240	350	260
163-23-2084	250(37x)	0.97	1.04	16 x 10	1.36	1302	1418	350	270	380	295
163-23-2090	350(37x)	1.07	1.17	20 x 10	1.49	1615	1793	425	310	460	340
<b>1/3 NEUTRAL</b>											
162-23-2060	2(7x)	0.68	0.76	6 x 14	1.00	489	579	150	120	165	135
162-23-2066	1(19x)	0.72	0.80	6 x 14	1.03	527	617	175	140	185	150
162-23-2072	1/0(19x)	0.76	0.84	6 x 14	1.07	572	662	195	155	215	170
162-23-2075	2/0(19x)	0.81	0.88	7 x 14	1.12	636	726	225	180	240	195
162-23-2078	3/0(19x)	0.86	0.93	9 x 14	1.17	722	889	255	200	275	220
162-23-2081	4/0(19x)	0.91	0.99	11 x 14	1.23	822	922	285	235	310	255
162-23-2084	250(37x)	0.97	1.04	13 x 14	1.28	918	1018	305	250	330	275
162-23-2090	350(37x)	1.07	1.17	18 x 14	1.41	1166	1315	375	310	405	335
162-23-2093	500(37x)	1.20	1.30	16 x 12	1.57	1513	1691	450	370	490	405
162-23-2096	750(61x)	1.39	1.49	15 x 10	1.87	2152	2402	545	460	595	505
162-23-2099	1000(61x)	1.54	1.68	18 x *(B)	2.06	2711	3059	620	520	675	570

\* - Special Conductor Size (A) Wire O.D. =0.1066"

\*\* Stocked as unfilled strand as 161-23-2072, see Sec 2, Sheet 35.

(1) Individual wire size and count may vary. The resulting combination meets the 1/3 or full neutral, size requirement.

Visit Okonite's web site [www.okonite.com](http://www.okonite.com) for the most up to date dimensions.

#### Ampacities

(2) Full neutral, single phase ampacities are based on ICEA P-117-734 for 90°C or 105°C conductor temperature, 25°C ambient temperature, 100% load factor, and earth thermal resistivity of RHO 90. One third neutral ampacities are based on triplexed or triangular configuration for the same conditions stated above.

# Okoguard URO-J

15kV Underground Primary Distribution Cable-Jacketed  
 Red Identification Stripes  
 Filled Strand Aluminum Conductor/105°C Rating  
 133% Insulation Level

## Product Data Section 2: Sheet 36

### Okoguard Insulation: 220 mils 133% Insulation Level

Catalog Number	Conductor Size AWG/kcmil	Nominal Dia. over Insulation (in.)	Nominal Dia. over Insulation Screen (in.)	Copper Neutral, No. x AWG (1)	Nominal O.D. (in.)	Aprox. Net Weight lbs./1000'	Aprox. Ship Weight lbs./1000'	90°C Ampacity Direct Burial (2)	90°C Ampacity Duct (2)	105°C Ampacity Direct Burial (2)	105°C Ampacity Duct (2)
<b>FULL NEUTRAL</b>											
▲ 163-23-3060	2(7x)	0.77	0.85	10 x 14	1.08	602	669	170	125	185	135
163-23-3066	1(19x)	0.82	0.90	13 x 14	1.14	694	766	195	145	210	155
▲ 163-23-3072	1/0(19x)	0.84	0.92	16 x 14	1.15	753	820	220	160	235	175
163-23-3075	2/0(19x)	0.91	0.98	13 x 12	1.25	916	996	250	185	270	205
163-23-3078	3/0(19x)	0.96	1.04	16 x 12	1.31	1045	1125	285	210	310	230
163-23-3081	4/0(19x)	1.02	1.09	13 x 10	1.41	1252	1347	320	240	350	260
163-23-3084	250(37x)	1.07	1.17	16 x 10	1.48	1456	1606	350	270	380	295
163-23-3090	350(37x)	1.18	1.28	20 x 10	1.59	1762	1912	425	310	460	340
<b>1/3 NEUTRAL</b>											
162-23-3060	2(7x)	0.78	0.85	6 x 14	1.09	562	627	150	120	165	135
162-23-3066	1(19x)	0.82	0.90	6 x 14	1.14	612	684	175	140	185	150
162-23-3072	1/0(19x)	0.86	0.94	6 x 14	1.18	661	733	195	155	215	170
162-23-3075	2/0(19x)	0.91	0.98	7 x 14	1.22	730	810	225	180	240	195
162-23-3078	3/0(19x)	0.96	1.04	9 x 14	1.27	825	905	255	200	275	220
▲ 162-23-3081	4/0(19x)	0.99	1.06	11 x 14	1.30	891	1005	285	235	310	255
162-23-3084	250(37x)	1.07	1.17	13 x 14	1.41	1069	1164	305	250	330	275
▲ 162-23-3090	350(37x)	1.16	1.26	18 x 14	1.50	1254	1425	375	310	405	335
▲ 162-23-3093	500(37x)	1.29	1.39	16 x 12	1.72	1666	1853	450	370	490	405
▲ 162-23-3096	750(61x)	1.48	1.58	15 x 10	1.95	2244	2468	545	460	595	505
▲ 162-23-3099	1000(61x)	1.63	1.77	18 x *(A)	2.15	2808	3093	620	520	675	570

\* - Special Conductor Size (A) Wire O.D. = 0.1066"

(1) Individual wire size and count may vary. The resulting combination meets the 1/3 or full neutral, size requirement.

Visit Okonite's web site [www.okonite.com](http://www.okonite.com) for the most up to date dimensions.

▲ **Authorized Stock Item** - Available from Customer Service centers.

**Ampacities**

(2) Full neutral, single phase ampacities are based on ICEA P-117-734 for 90°C or 105°C conductor temperature, 25°C ambient temperature, 100% load factor, and earth thermal resistivity of RHO 90.

One third neutral ampacities are based on triplexed or triangular configuration for the same conditions stated above.