



GUAM WATERWORKS AUTHORITY

“Better Water. Better Lives.”

Gloria B. Nelson Public Services Building
688 Route 15, Mangilao, Guam 96913

Invitation for Bid Number: GWA 2018-23

For: (RE-BID)Submersible Electrical Cables (Conductor size: 4/0 and 250)

INTRODUCTION

As provided under 28 G.A.R. Chapter 4, any reference in the Solicitation to a manufacturer brand name or product number is either due to GWA’s need to provide minimum satisfactory product specifications, to ensure compatibility with existing GWA infrastructure, to provide a uniform operating system that reduces the GWA’s cost of providing services to its customers via lower operating costs or to coincide with GWA’s training and experience with a particular good. A “brand name or equal” reference is solely intended to provide a description of the type or quality of products or services sought by GWA and not to limit bids nor restrict a vendor from providing equivalent products or services of the same quality and construction. However, where a “brand name or equal” is required Bids, bidders must clearly state and provide proof of the quality and compatibility of the exact articles they are offering

*** BID AMENDMENT #2: AMENDED VERSION ***

I. BID ITEMS

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>	<u>UNIT COST</u>	<u>TOTAL COST</u>
1.0	SUBMERSIBLE ELECTRICAL CABLE (500 FT per spool) Paige Part No 070040 4/0 AWG Conductor Size 3 Insulated Conductors 1/0 AWG Gounding Conductor Size	4 EA	\$ _____	\$ _____
1.1	SUBMERSIBLE ELECTRICAL CABLE (500 FT per spool) Paige Part No 070250 250 MCM Conductor Size	4 EA	\$ _____	\$ _____

3 Insulated Conductors
2/0 AWG Gouinding
Conductor Size

TECHNICAL SPECIFICATION: ITEMS 1.0 and 1.1

Paige Pump Wire Spec P7326-SP:

FLAT SUBMERSIBLE PUMP CABLE
EXTRA FLEXIBLE HYDROFLEX
600/2000 VOLTS
CONDUCTOR WITH OR WITHOUT GROUND
INSULATION: (EPR) ETHYLENE PROPYLENE RUBBER
JACKET: (CPE) CHLORINATED POLYETHYLENE RUBBER
SIZES: 4 - 500MCM
90°C Dry, 90°C Wet, Min. ambient temp. -40°C

APPLICATIONS:

1. Extra Flexible, high ampacity, Flat Rubber Submersible Pump Cable for use within well casings for wiring deep-well submersible water pumps, mining applications. Hydroflex is especially efficient for use in municipal applications, cold weather, flame retardant and high ampacity requirements.

CONSTRUCTION:

1. Conductors:

Soft Bare, annealed copper per ASTM B-3 and ASTM B-172 Flexible, Rope-lay-stranded.

2. Insulation:

Ethylene-propylene rubber (EPR) as per clause 7.2.4 of UL 44 plus faced rubber filled binder tape. The insulation is acceptable for use in locations at 90°C.

3. Ground Conductor:

Soft Bare, annealed copper per ASTM B-3 and ASTM B-172 Flexible Rope-lay-stranded. Insulation EPR 90°C and the nominal overall diameter shall equal the insulated circuit conductors.

4. Assembly

The insulated circuit and grounding conductors are laid flat and parallel together. The jacket will be applied directly over the insulated conductors encapsulating them.

5. Jacket:

Black Extra Heavy Duty thermosetting 90°C rated chlorinated polyethylene rubber (CPE) which meets requirements of Par. 3.21 if ICEA S-75-381 and clause 7.2.6 of UL 44. Neoprene optional jacket available.

6. Color Code:

Black, yellow, red & green with yellow stripe grounding conductor.

7. Surface Marking:

The overall jacket (CPE) will have the following information printed: PAIGE ELECTRIC HYDROFLEX SUBMERSIBLE PUMP CABLE NUMBER AND SIZE (AWG) of conductors, EPR/CPE 6--/2000V 90°C (UL)

8. Approvals:

MSHA: P-07-KA060001-MSHA

UL: E193954

BIDDING ON:

MFG: _____

BRAND: _____

PLACE OF ORIGIN: _____

DATE OF DELIVERY: _____
(AFTER RECEIPT OF PURCHASE ORDER)

End of bid amendment.

05/23/2018
Date

Miguel C. Bernaldo
Miguel C. Bernaldo, P.E.
General Manager