



United States Department of Agriculture
Rural Development

June 21, 2010

Mr. Carlos Alberto Gonzalez
Country Manager
Procables S.A.
Calle 20 No 68B-71
Bogota D. C.
Columbia:

Dear Mr. Gonzalez:

Your application has been brought to the attention of Technical Standards Committee "A" (Electric).

The Committee has granted technical acceptance to your products for a 1-year period. The purchase of these items will be subject to the provisions of the "Buy American" requirement and will not appear in the published List of Materials. The technical acceptance is as follows:

Technical List
av-1
June 17, 2010

av – Conductor, ACSR

Applicable Specification: ASTM Specification B 232

Preferred Sizes:

<u>Distribution</u>	<u>Transmission</u>
4 – 6/1	1/0 – 6/1
4 – 7/1	2/0 – 6/1
2 – 6/1	3/0 – 6/1
2 – 7/1	4/0 – 6/1
1/0 – 6/1	266.8 kcmil – 26/7
2/0 – 6/1	336.4 kcmil – 26/7
3/0 – 6/1	477 kcmil – 26/7
4/0 – 6/1	556.5 kcmil – 26/7
266.8 kcmil 18/1	795 kcmil – 26/7
336.4 kcmil 18/1	954 kcmil – 54/7
477 kcmil 18/1	

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1400 Independence Avenue, S.W., Washington, DC 20250-9410 or call (800) 795-3272 (Voice) or (202) 720-6382 (TDD).

NOTE: Larger sizes may be used where the engineer's study shows they are required.

The following manufacturers have shown compliance with the applicable specifications:

<u>Technical Acceptance Period</u>	<u>Manufacturer</u>
6/17/2010 – 6/22/2011	Procables

NOTES:

1. Conductors with 18/1 stranding have different sag characteristics than conductors with 6/1 or 26/7 stranding. This difference in sag characteristics must be taken into consideration in the line design.
2. 266.8 kcmil 26/7, 336.4 kcmil 26/7, and 477 kcmil 26/7 may be used for distribution underbuild on transmission lines.

Technical List
av-2
June 17, 2010

av - Conductor, copper

Applicable Specifications: ASTM Specification B1 for hard-drawn solid
 ASTM Specification B8 for hard drawn stranded and soft stranded
 ASTM Specification B3 for soft or annealed solid

Preferred Sizes: Hard-drawn solid - 4 and 6
 Soft or annealed solid - 4 and 6
 Hard-drawn stranded - 2x3, 1/0 x 7, 2/0 x 7
 Soft stranded - 4 and 6

The following manufacturers have shown compliance with the applicable specifications:

<u>Technical Acceptance Period</u>	<u>Manufacturer</u>
6/17/2010 – 6/22/2011	Procables

Technical List
av-6
June 17, 2010

av - Conductor, Aluminum Alloy

Applicable Specification: ASTM Specification B399

Preferred Sizes:

DISTRIBUTION		TRANSMISSION	
6201	ACSR Equiv.	6201	ACSR Equiv.
48,690 cmil - 7 str.*	4	123,300 cmil - 7 str.**	1/0
77,470 cmil - 7 str.*	2	155,400 cmil - 7 str.**	2/0
123,300 cmil - 7 str.	1/0	195,700 cmil - 7 str.**	3/0
155,400 cmil - 7 str.	2/0	246,900 cmil - 7 str.	4/0
195,700 cmil - 7 str.	3/0	312,800 cmil - 19 str.	266,800 cmil
246,900 cmil - 7 str.	4/0	394,500 cmil - 19 str.	336,400 cmil
		559,500 cmil - 19 str.	477,000 cmil
		652,400 cmil - 19 str.	556,500 cmil
		927,200 cmil - 37 str.	795,000 cmil

*Not recommended for multiphase lines with span lengths exceeding 300 ft.

**Not recommended for suspension type construction.

The following manufacturers have shown compliance with the applicable specifications:

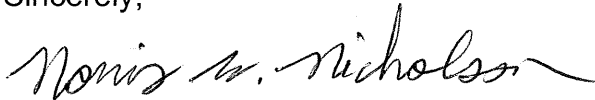
<u>Technical Acceptance Period</u>	<u>Manufacturer</u>	<u>Type</u>
6/17/2010 – 6/22/2011	Procables	6201

If you wish to extend this acceptance for another year, you should notify us near the end of the term that you have not changed the technically accepted item, that you are actively involved in the rural electric market, and that you wish an extension of the technical acceptance of the item. A list of our borrowers that have purchased the item during the year should be included with your request. If there are no changes in the applicable specifications and if we have no evidence that experience with the item has been unsatisfactory, your request for a 1-year extension will be considered by Technical Standards Committee "A" (Electric). The request must include an original and five copies.

This acceptance does not relieve the manufacturer of any responsibility for the satisfactory performance of the item and its conformity to guarantees, specifications, or

other provisions of contracts covering its sale. This acceptance is made with the further understanding that no changes in design or workmanship affecting the quality, strength, or electrical characteristics of the item will be made without the knowledge of the Technical Standards Committees. You are also asked to notify the Technical Standards Committees of any change in manufacturing plant location or locations.

Sincerely,

A handwritten signature in cursive script that reads "Norris W. Nicholson". The signature is written in black ink and has a fluid, connected style.

NORRIS W. NICHOLSON
Chair, Technical Standards
Committee "A"
Electric Staff Division
Rural Utilities Service