PURCHASE SPECIFICATION

FOR

CABLE, 600V, XLP, 2 CONDUCTOR, #12, JACKETED, BARE GROUND

<table>
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<tr>
<th>DATE</th>
<th>PREPARED BY</th>
<th>ISSUANCE/REVISION</th>
<th>APPROVAL PROCESS SUPV. / MATERIALS SUPV.</th>
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<tr>
<td>10/28/1988</td>
<td>Robin Kittle</td>
<td>Issuance</td>
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<tr>
<td>05/24/1995</td>
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<td>12/30/1999</td>
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REASON FOR REVISION
Added Ground Wire Requirement

This specification, until rescinded, shall apply to each future purchase and contract for the commodity described herein. Retain for future reference.
1.0 SCOPE AND CLASSIFICATION
This specification covers the electrical and mechanical features of 600 volt, 90 degrees C, two (2) conductor, 7 strand, #12 AWG, jacketed cable with bare ground. This specification shall cover applicable standards, functional requirements, construction, insulation and jacket materials.

2.0 APPLICABLE STANDARDS
All characteristics, definitions and terminology, except that specifically covered in this specification shall be in accordance with the latest revisions of the following standards: ICEA S-66-524, ICEA S-66-516, IEEE Std 383, ASTM B-3, B-8 and B-33, and ICEA S-68-516.

3.0 FUNCTIONAL REQUIREMENT
The cable supplied under these specifications shall be used in power distribution for streetlighting and traffic signals.

4.0 CONSTRUCTION

4.1 Conductor
Each conductor shall be 7 strand, class B stranded, #12 AWG tinned copper.

4.2 Insulation
4.2.1 Each conductor shall be supplied with a flame retardant, cross-linked polyethylene meeting all the requirements of ICEA S-66-524.

4.2.2 Color coding shall be accomplished by pigmenting the base compounds. One conductor shall be color coded with white insulation.

4.2.3 Insulation shall be a minimum of 30 mils.

4.3 Fillers
Fibrulated non-hydroscopic fillers are acceptable.

4.4 Cabling
All cables and fillers shall be cabled in accordance with ICEA S-66-524 or ICEA S-66-516.

4.5 Jacket
The jacket shall be black, free stripping with average thickness of 45 mils, made of chlorinated polyethylene (CPE) or chlorosulfonated polyethylene (Hypalon).

4.6 Identification
Each cable shall have surface print describing manufacturer, size, number of conductors and voltage.

4.7 Ground
The 2 conductor cable shall have a bare ground wire included.

5.0 TESTING
All testing shall conform to applicable standards. Test reports shall be available upon request by the Electric Utility Department.