

**TRANSMITTAL SHEET**

**TO:**

Distribution

**DATE**

August 23, 1996

**MATERIAL TRANSMITTED**

KSC-SPEC-E-0022, Revision B, "AC Power Cable, 5,000-Volt, 60-Hertz, Procurement of, Specification for"

**FILING INSTRUCTIONS**

This specification, KSC-SPEC-E-0022, Revision B, dated July 24, 1996, supersedes KSC-SPEC-E-0022, Revision A, dated September 27, 1977.

**METRIC/INCH-POUND**

**KSC-SPEC-E-0022B**

**July 24, 1996**

KSC-SPEC-E-0022A

September 27, 1977

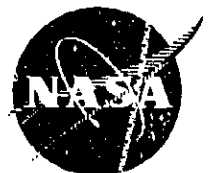
**AC POWER CABLE, 5,000-VOLT, 60-HERTZ,  
PROCUREMENT OF, SPECIFICATION FOR**

**ENGINEERING DEVELOPMENT DIRECTORATE**

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National Aeronautics and  
Space Administration

**John F. Kennedy Space Center**



**KSC-SPEC-E-0022B**

**July 24, 1996**

Supersedes  
KSC-SPEC-E-0022A  
September 27, 1977

**AC POWER CABLE, 5,000-VOLT, 60-HERTZ,  
PROCUREMENT OF, SPECIFICATION FOR**

Approved:

Walter T. Murphy

Walter T. Murphy  
Director of Engineering Development

**JOHN F. KENNEDY SPACE CENTER, NASA**

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July 24, 1996

JOHN F. KENNEDY SPACE CENTER, NASA  
AC POWER CABLE, 5,000-VOLT, 60-HERTZ,  
PROCUREMENT OF, SPECIFICATION FOR

1. SCOPE

This specification provides data for the procurement of single-conductor 5,000-volt, 60-hertz, alternating current (ac) power cable with ethylene propylene rubber (EPR) insulation, concentric neutral and overall jacket for replacement of existing circuits only. New 5-kilovolt (kV) circuits should use 15,000-volt cable per KSC-SPEC-E-0023.

Cables included in this specification shall be suitable for single phase or three phase circuit in aerial or underground in ducts or direct burial. The cable shall be rated for 90 degree Celsius (°C) continuous conductor temperature, 130 °C emergency overload, and 133-percent insulation level.

2. APPLICABLE DOCUMENTS

The following documents form a part of this document to the extent specified herein. When this document is used for procurement, including solicitation, or is added to an existing contract, the specific revision levels, amendments, and approval dates of said documents shall be specified in an attachment to the Solicitation/Statement of Work/Contract.

2.1 Governmental.

2.1.1 Specifications.

John F. Kennedy Space Center (KSC), NASA

KSC-SPEC-E-0023

AC Power Cable, 15,000-Volt, 60-  
Hertz, Procurement of, Specification  
for