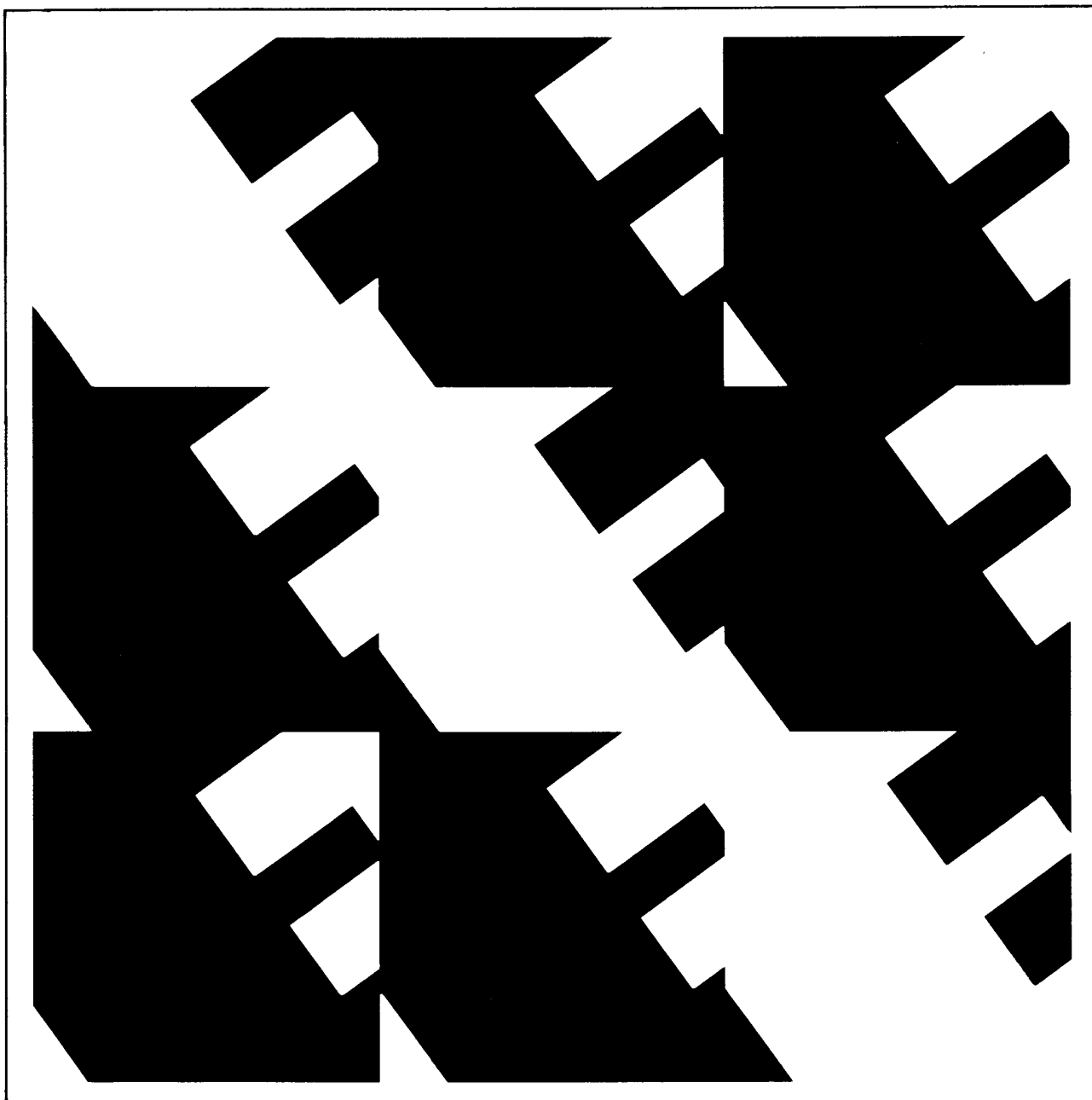


IEEE Trial-Use Standard for Connections of Insulated Aluminum Conductors



IEEE Std 972



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Draft American National Standard

**IEEE Trial-Use Standard for
Connections of Insulated Aluminum Conductors**

Sponsor
Insulated Conductors Committee of the
IEEE Power Engineering Society

Draft American National Standard

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Foreword

(This Foreword is not a part of IEEE Std 972, IEEE Trial-Use Standard for Connections of Insulated Aluminum Conductors.)

This standard was written to fill a need for a performance test for evaluation of electrical connectors used in connection of insulated aluminum conductors. There are numerous types of connections available which may be used in these connections. Many, however, were designed originally for service in overhead-line applications in which the environmental and mechanical requirements are much different than in an underground location. This standard was written to provide a meaningful, reproduceable test program which will enable connector manufacturers to demonstrate performance of their products. The users can then be reasonably assured that the connector will be capable of performing satisfactorily over its life in an insulated cable joint.

This standard covers the electro-mechanical performance of connections of insulated aluminum cables: only one of several factors to be met in performance of a cable joint. ANSI/IEEE Std 404-1986 is the standard for power cable joints. Thus, it is anticipated that this standard will be incorporated into revisions of ANSI/IEEE Std 404-1986 after a period of test use.

This standard was prepared by Task Group 10-37 of the Accessories Subcommittee, IEEE Insulated Conductors Committee of the IEEE Power Engineering Society. The membership of the working group was as follows:

V. J. Warnock, *Chairman*

E. M. Allam	R. Hartlein	D. W. Purnhagen
T. A. Balaska	H. C. Hervig	G. Rampley
R. A. Burkhardt	S. H. Hicks	N. M. Sacks
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R. D. Fulcomer	R. A. McCulloch	W. K. Switzer
R. B. Gear	W. J. McNulty	C. A. White
W. R. Harris	J. Moran	R. O. Wilkinson
	P. F. Pugh	

When this standard was approved the Accessories Subcommittee had the following membership:

C. A. White, *Chairman*

R. W. Allen, Jr	W. R. Harris	A. Rios
T. A. Balaska	H. C. Hervig	N. R. Sacks
R. H. Barton	R. F. Huber	A. N. St. John
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W. R. Goldbach	D. Purnhagen	A. C. Westrom
	G. P. Rampley	