

IEEE Guide to the Factors to Be Considered in the Planning, Design, and Installation of Submarine Power and Communications Cables

Sponsor
**Special Purpose Cable Subcommittee
of the
Insulated Conductors Committee of the
of the
IEEE Power Engineering Society**

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Abstract: IEEE Std 1120-1990, *IEEE Guide to the Factors to Be Considered in the Planning, Design, and Installation of Submarine Power and Communications Cables*, provides a checklist of factors to be considered in the planning, design, and installation of power and communications cables in a submarine environment. It does not attempt to provide complete cable design criteria.

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Foreword

(This Foreword is not a part of IEEE Std 1120-1990, IEEE Guide to the Factors to Be Considered in the Planning, Design, and Installation of Submarine Power and Communications Cables.)

This guide has been prepared in the form of a checklist, which presents the more important aspects of submarine cable projects. As such, this guide should be particularly helpful to the design engineer who is occasionally presented with the challenge of designing a submarine cable installation.

A checklist approach has been used because a comprehensive coverage of the wide variety of subjects and technologies involved in a submarine cable project would fill many volumes. Once the checklist has been used to evaluate the particular project under consideration, a search of the technical literature can then be implemented to obtain the detailed information that is needed.

It is suggested that, given the numerous references to submarine cable, the most practical means of carrying out a serious search of this nature is to utilize the capabilities of a computerized search-and-retrieval system. Document searches can be originated by using the section headings in this guide as keywords.

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