

Introduction

This book is the first monograph of submarine optical cable engineering in China. The book is divided into 10 chapters. Chapters 1 and 2 introduce the basic concepts of submarine optical cable communication, related marine natural geographical environment, and knowledge of the law of the sea. Chapter 3 describes the overall layout and characteristics of the submarine optical cable system built in China. Chapters 4–9 contain special discussions on the site selection, route survey, laying installation, system maintenance, operation safety, and information management of submarine optical cable engineering. Chapter 10 forecasts the technology developments and market prospects of submarine optical cable engineering.

It is hoped that this book is of great benefit to the professional scientific and technical personnel specializing in communication engineering, marine engineering, marine geotechnical engineering, and environmental engineering, and also for the teachers and students in relevant colleges and universities.