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Autore	Bai Yong
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Sommario/riassunto

This book, 'Pipelines and Power Cables' by Yong Bai, Shuai Yuan, and Kaien Jiang, serves as a comprehensive guide to the design, application, and analysis of flexible pipelines and subsea power cables. It covers a range of topics including the mechanical and electrical design of subsea power cables, hydrodynamics, soil-pipe interaction, and on-bottom stability analysis. The authors provide detailed methodologies and case studies to illustrate design procedures and challenges. The book is intended for engineers and professionals in the fields of offshore engineering and underwater technology, aiming to enhance their understanding of subsea infrastructure and pipeline systems.