

1. Record Nr.	UNINA9910457955303321
Autore	Crisp John
Titolo	Introduction to fiber optics [[electronic resource] /] / John Crisp, Barry Elliott
Pubbl/distr/stampa	Amsterdam ; ; Boston, : Newnes, 2005
ISBN	1-281-01620-9 9786611016203 0-08-047316-4
Edizione	[3rd ed.]
Descrizione fisica	1 online resource (255 p.)
Altri autori (Persone)	ElliottBarry J
Disciplina	621.36/92
Soggetti	Fiber optic cables Fiber optics Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references (p. 224).
Nota di contenuto	Cover; Contents; Preface; 1 Optic fiber and light - a brilliant combination; 2 What makes the light stay in the fiber?; 3 The choice of frequency; 4 Propagation of light along the fiber; 5 Decibels; 6 Losses in optic fibers; 7 Dispersion and our attempts to prevent it; 8 Real cables; 9 Connecting optic fibers - the problems; 10 Fusion splicing; 11 Mechanical splices; 12 Connectors; 13 Couplers; 14 Light sources and detectors; 15 Testing a system; 16 System design - or will it work?; 17 The transmission of signals; 18 Designing an optical system and selecting components; 19 LANs and topology 20 Some final thoughtsBibliography; Glossary; Quiz time answers; Index
Sommario/riassunto	Introduction to Fiber Optics is well established as an introductory text for engineers, managers and students. It meets the needs of systems designers, installation engineers, electronic engineers and anyone else looking to gain a working knowledge of fiber optics with a minimum of maths. Review questions are included in the text to enable the reader to check their understanding as they work through the book.The new edition of this successful book is now fully up to date with the new standards, latest technological developments and includes a new

