Complete Guide to Fiber Optic Cable Systems Installation

Eric Pearson
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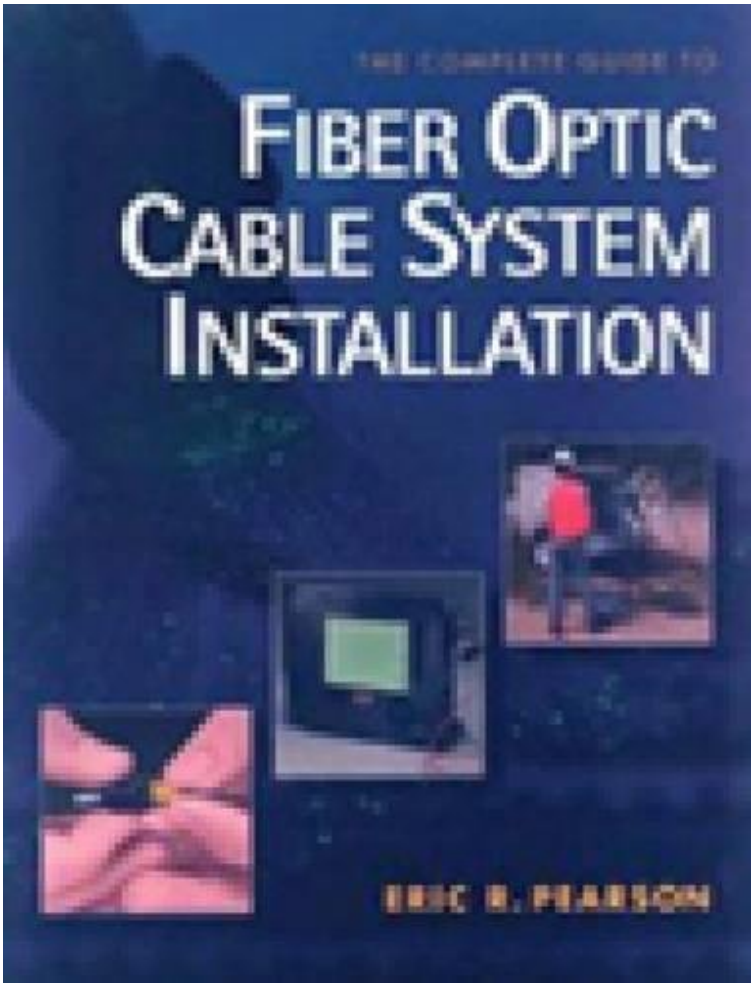

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Eric Pearson : Complete Guide to Fiber Optic Cable Systems Installation before purchasing it in order to gage whether or not it would be worth my time, and all praised Complete Guide to Fiber Optic Cable Systems Installation:

0 of 0 people found the following review helpful. Five StarsBy FRANKCLEARED UP SOME MISCONCEPTIONS,35 of 38 people found the following review helpful. Easy to understand reference book.By proehl@erols.comI attended a Fiber Optic class taught by Mr. Pearson and found him to be an excellent instructor. This book is written the same way he teaches and is easy to understand. Since I don't build fiber cables on a daily basis I keep this book in front of me when I do build them. If you have never been taught to build fiber cables you can learn how from this book. However, you should note that building good fiber cables takes practice no matter how you learned to build them. Read this book carefully and you can do it.0 of 0 people found the following review helpful. I TEACH FIBER OPTICBy J.M. CARRANZATO EVERY FIBER OPTIC TECHNICIAN I GRADUATE...I RECOMMEND THEY BUY THE BOOK BY ERIC R. PEARSON "FIBER OPTIC CABLE SYSTEM

INSTALLATION"

This book offers comprehensive, unbiased, state-of-the-art information and procedures for installing fiber optic cable systems. It covers, in detail, all of the procedures required for installation, testing, commissioning and troubleshooting of these systems. Each chapter focuses on a specific aspect of the process including cable installation, cable end preparation, connector installation, splicing, testing and troubleshooting and contains review questions.

PREFACE. INTRODUCTION. FORWARD. THE BASICS OF FIBER OPTIC SYSTEMS. Chapter Objectives. Introduction. Fiber Optic Transmission Systems: Components and Functions. The Basics of Optical Fibers. Basic Cable Facts. Basic Connection Facts. Basic Transmitter and Receiver Facts. ADVANTAGES AND TYPES OF FIBER OPTIC SYSTEMS. Chapter Objectives. Introduction. Why Use Fiber Optics? Three Potential Disadvantages. How Fiber Optics is Used. Standard Products. Questions. HOW TO INSTALL CABLE AND PREPARE ENDS. Chapter Objectives. Introduction. 24 Guidelines for Successful Cable Installation and End Preparation. Hands-On Activities: Learn When to Handle Fiber Carefully. End Preparation Procedure for Indoor Cable Designs. End Preparation for Outdoor Cable Designs. Questions. CONNECTOR INSTALLATION: 4 METHODS AND 2 STYLES. Chapter Objectives. Introduction. Safety Precautions. Method #1: Epoxy, Crimp and Polish Installation of ST-Compatible Connectors. Method #2: Preloaded and Preheated Installation of ST-Compatible Connectors. Method #3: Epoxyless, Crimp/Crimp/Polish Installation of ST-Compatible Connectors. Method #4: Anaerobic Adhesive Installation of SC Connectors. 23 Alternate Steps. How To Recognize Low Loss High Loss Connectors Through Microscopic Inspection. Singlemode Polishing. Questions. HOW TO MAKE LOSS MEASUREMENTS. Chapter Objectives. Introduction. The Insertion Loss Measurement Procedure. How To Make and Interpret OTDR Measurements. The Reflectance Measurement Procedure. Questions. HOW TO INSTALL SPLICES PROPERLY. Chapter Objectives. Introduction. Fusion Splicing. Mechanical Splicing. Installing Splices In Trays and Enclosures. Questions. HOW TO CERTIFY AND TROUBLESHOOT FIBER SYSTEMS. Chapter Objectives. Introduction. Seven Questions to Answer. How to Answer the Seven Questions. Identify Common Problems in 11 Cable Systems. Questions. Appendices.From the Back CoverOffering comprehensive, state-of-the-art information about fiber optic cable systems, Pearson covers all of the procedures required for installation, testing, commissioning and troubleshooting of these systems. Other key topics include cable and preparation, connector installation and splicing.About the AuthorMr. Pearson has extensive experience in all aspects ofthe fiber optic communication industry. He currently is President of Pearson Technologies, Director of the Fiber Optic Association and an Editorial Advisor to Fiberoptic Product News. He is certified as a professional consultant by the Academy of Professional Consultant and Advisors.