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Altri autori (Persone)	GrothDavid McBeeJim
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Nota di contenuto	Cabling: The Complete Guide to Network Wiring, Third Edition; Front matter; Acknowledgments; Contents at a Glance; Contents; Introduction; Part I: Technology and Components; Chapter 1: Introduction to Data Cabling; The Golden Rules of Data Cabling; The Importance of Reliable Cabling; You've Come a Long Way, Baby: The Legacy of Proprietary Cabling Systems; Cabling and the Need for Speed; Cable Design; Data Communications 101; Speed Bumps: What Slows Down Your Data; Near-End Crosstalk (NEXT); Far End Crosstalk (FEXT); Equal-Level Far-End Crosstalk (ELFEXT); Pair-to-Pair Crosstalk Power-Sum Crosstalk External Interference; Attenuation-to-Crosstalk Ratio (ACR); Propagation Delay; Delay Skew; The Future of Cabling Performance; Chapter 2: Cabling Specifications and Standards; Structured Cabling and Standardization; ANSI/TIA/EIA-568-B Cabling Standard; ISO/IEC 11801; Anixter Cable Performance Levels Program; Other Cabling Technologies; Chapter 3: Choosing the Correct Cabling;

Topologies; UTP, Optical Fiber, and Future-Proofing; Network Architectures; Network-Connectivity Devices; Chapter 4: Cable System and Infrastructure Constraints; Where Do Codes Come From? The National Electrical Code Knowing and Following the Codes; Chapter 5: Cabling System Components; The Cable; Wall Plates and Connectors; Cabling Pathways; Wiring Closets; Chapter 6: Tools of the Trade; Building a Cabling Tool Kit; Common Cabling Tools; Cable Testing; Cabling Supplies and Tools; Tools That a Smart Data-Cable Technician Carries; A Preassembled Kit Could Be It; Part II: Network Media and Connectors; Chapter 7: Copper Cable Media; Types of Copper Cabling; Best Practices for Copper Installation; Copper Cable for Data Applications; Copper Cable for Voice Applications; Testing Chapter 8: Wall Plates Wall-Plate Design and Installation Issues; Fixed-Design Wall Plates; Modular Wall Plates; Biscuit Jacks; Advantages of Biscuit Jacks; Chapter 9: Connectors; Twisted-Pair Cable Connectors; Coaxial Cable Connectors; Fiber-Optic Cable Connectors; Chapter 10: Fiber-Optic Media; Introduction to Fiber-Optic Transmission; Advantages of Fiber-Optic Cabling; Disadvantages of Fiber-Optic Cabling; Types of Fiber-Optic Cables; Fiber Installation Issues; Chapter 11: Unbounded (Wireless) Media; Infrared Transmissions; Advantages of Infrared; Radio-Frequency (RF) Systems Microwave Communications Part III: Cabling Design and Installation; Chapter 12: Cabling-System Design and Installation; Elements of a Successful Cabling Installation; Cabling Topologies; Cabling Plant Uses; Choice of Media; Telecommunications Rooms; Cabling Management; Data and Cabling Security; Cabling Installation Procedures; Chapter 13: Cable-Connector Installation; Twisted-Pair Cable-Connector Installation; Coaxial Cable-Connector Installation; Fiber-Optic Cable-Connector Installation; Chapter 14: Cable System Testing and Troubleshooting; Installation Testing; Cable-Plant Certification Cable-Testing Tools

Sommario/riassunto

The physical linkages responsible for carrying a company's data continue to be the most neglected components of the typical network-to the extent that nearly 70% of all network-related problems result from poor cabling. In this third edition of a widely acclaimed resource, three networking experts share their extensive experience, teaching you the cabling skills you need to build a reliable, efficient, and cost-effective network cabling infrastructure. As you master these techniques, you'll learn to avoid common pitfalls and troubleshoot problems as quickly as they arise. Coverage includes:<
