

Structured Cabling and Connectivity Market

Research Report P-970-15
February 2015



Structured Cabling and Connectivity Market

Report No: P-970-15
February 2015

Bishop & Associates announces the release of their newest research report **Structured Cabling and Connectivity Market**. An update of their initial report, published in January of 2013, this four-chapter, 179-page report offers valuable insight into the changes driving this highly competitive, technology focused market.



This report covers structured cabling components used with networking equipment capable of running Ethernet up to data rates of 400G. In addition, other markets that use Ethernet such as security are addressed. Cable and components covered in this report are detailed in the chart below.

Structured Cabling Components Covered	
Product Category	Focused Products
Copper	RJ45 connectivity including CAT8, CAT7, CAT6A, CAT6, CAT5e Cables including CAT8, CAT7, CAT6A, CAT6, CAT5e Patch cords including CAT8, CAT7, CAT6A, CAT6, CAT5e Patch Cord cable including CAT8, CAT7, CAT6A, CAT6, CAT5e Pre-terminated cable assemblies Patch panels
Fiber Optic	SC and LC connectors outlets and patch panels MM and SM cables MPO/MTP connectors and patch cords Pre-terminated cable assemblies Patch panels

In addition, top component manufacturers that deliver connector and cable products to this industry are discussed and five-year forecasts of cable, connectors, components and assemblies are provided.

Structured Cabling and Connectivity Market

The following table of contents shows the detail provided in this new report.

Table of Contents

Executive Summary

Introduction
Overall Structured Cabling Components Five-Year Forecasts
Total Components by Media Type
Total Market: Copper versus Fiber
Summary of Category Products
Percentage of Copper Category Components (Revenue)
Summary of Fiber Products
Percentage of Fiber Related Components (Revenue)
Total Components by Data Rate
Percent of Total Components by Data Rate
Structured Cabling Components by Region 2014 to 2019 with 5-Year CAGR
Ethernet and Structured Cabling Trends Driving the Market
10-Gigabit Copper (10GBASE-T)
SFP+ and Top of Rack (ToR) Data Center Architecture
25, 40 and 100 Gigabit Ethernet
Multi-mode Fiber
Single Mode Fiber
MPO and Pre-Terminated Cable Assemblies
40GBase-T-Copper
Enhanced Category 5e and 6 Cables
Marketing and Sales Strategies
Cabling is No Longer the Lead Product
Structured Cabling Sales Channel

Chapter 1 – Introduction

Introduction
Background
The Markets for Gigabit Networking
New Technologies in the Data Center Will Drive Higher Rates
Data Center Networking Data Rates
Scope and Objectives
Scope of this Report
Structured Cabling Components Covered
Methodology and Information Sources
Plan of Report

Chapter 2 – Trends in the Structured Cabling Market

Introduction
Ethernet
Service Provider and DC Data Rate Divergence
IEEE Development Standards
Gigabit Data Communications Ethernet Variants
Data Centers and Enterprise Networks: Data Rate and Bandwidth Requirements
Public Network Data Rate Progression (Gbps)
Local Area Network and Enterprise Data Center Data Rate Progression (Gbps)
Ethernet Servers and Switches
Servers
FCoE and CEE Server Network Convergence
Switches
Storage Area Networks and Fibre Channel
FC Device Speedmap
Inter-Switch Links Speedmap
FCoE Speedmap
High Performance Computing and InfiniBand
Today's Supercomputer

InfiniBand Formats and Data Rates
InfiniBand Roadmap
Ethernet versus Fibre Channel and InfiniBand
Interconnect Family System Share 2013
Interconnect Family System Share 2014
Interconnect System Share 2013
Interconnect System Share 2014
Passive Optical LAN
LAN versus POL
Mobile Backhaul
Wireless Technology Evolution
New Applications for Structured Cabling
Structured Cabling System Trends
Cable
Worldwide Flammability Ratings
TIA-568 and ISO/IEC 11801 Premise Wiring Standards
Category 5e/Class D
Category 6/Class E
Category 6A/ClassE_A
Shielding
Category 6A Shielded Cable
Category 7 and 7A/Class F and FA
Category 7A
Category 8/Class 1,2
Copper Patch Cables
Patch Panels
SFP and SFP+ Direct-Attach Copper (DAC) Family
Fiber Optics
Multi-mode Fiber
Fiber Reach for Ethernet and Fibre Channel Variants in Meters
Single Mode Fiber
Single Mode Fiber Standards
Single Mode Fiber LAN Application Reach
Fiber Optic Connectors
Fiber Optic Cable
Indoor Fiber Cables
Pre-terminated Fiber Assemblies

Chapter 3 – Structured Cabling Suppliers Competitive Landscape

Introduction
3M
3M's Structured Cabling Offering
Belden
Belden Structured Cabling Brands, Trade Marks and Trade Names
Belden's Structured Cabling Offering
Berk-Tek, A Nexans Company/Nexans
Berk-Tek Structured Cabling Brands, Trade Marks and Trade Names
Berk-Tek/Nexans' Structured Cabling Offer
CommScope
CommScope Structured Cabling Brands, Trade Marks and Trade Names
CommScope's Structured Cabling Offering
Corning
Corning Trade Marks and Trade Names
Corning's Structured Cabling Offering
Hubbell Premise Wiring
Hubbell Premise Wiring Structured Cabling Brands, Trade Marks and Trade Names

Structured Cabling and Connectivity Market

Hubbell's Structured Cabling Offering
Leviton
Leviton Structured Cabling Brands, Trade Marks and Trade Names
Leviton's Structured Cabling Offering
Panduit
Panduit Structured Cabling Brands, Trade Marks and Trade Names
Panduit's Structured Cabling Offering
Siemon
Siemon Structured Cabling Brands, Trade Marks and Trade Names
Siemon's Structured Cabling Offering
Stewart Connector, a Bel Group
Stewart's Structured Cabling Offering
TE Connectivity
TE Networks Solutions Structured Cabling Brands, Trade Marks and Trade Names
TE Connectivity's Structured Cabling Offering

Chapter 4 – Five-Year Forecasts

Introduction
Methodology
Total Market
Overall Structured Cabling Components Five-Year Forecasts
Summary Table for All Component Types
Total Components by Media Type
Total Market: Copper versus Fiber
Gigabit Product Summary by Product Type 2014 to 2019
10G Product Summary by Product Type 2014 to 2019
25G Product Summary by Product Type 2014 to 2019
40G Product Summary by Product Type 2014 to 2019
100G Product Summary by Product Type 2014 to 2019
Structured Cabling Connectors
Connectors by Product Type 2014 through 2019
Connectors by Data Rate 2014 through 2019
Copper Connectors by Product Type 2014 through 2019
Copper Connectors by Data Rate 2014 through 2019
Fiber Connectors by Product Type 2014 through 2019
Fiber Connectors by Data Rate 2014 through 2019
Summary of Fiber Product 2014 through 2019
Structured Cabling Patch Cords
Patch Cords by Product Type 2014 through 2019

Patch Cords by Data Rate 2014 through 2019
Copper Patch Cords by Product Type 2014 through 2019
Copper Patch Cords by Data Rate 2014 through 2019
Fiber Patch Cords by Product Type 2014 through 2019
Fiber Patch Cords by Data Rate 2014 through 2019
Structured Cabling Patch Panels
Patch Panels by Product Type 2014 through 2019
Patch Panels by Data Rate 2014 through 2019
Structured Cabling Cable
Copper Horizontal Cable by Product Type 2014 through 2019
Copper Horizontal Cable by Data Rate 2014 through 2019
Copper Patch Cables by Product Type 2014 through 2019
Copper Patch Cables by Data Rate 2014 through 2019
Fiber Cable by Product Type 2014 through 2019
Fiber Cable by Data Rate 2014 through 2019
Market by Fiber Type (\$) 2014 through 2019
Structured Cabling Copper Cabling Systems
Summary of Category of Product 2014 through 2019
Cat5e Products
CAT6 U/UTP Products 2014 through 2019
CAT6F/UTP Products 2014 through 2019
CAT6A U/UTP Products 2014 through 2019
CAT6A F/UTP Products 2014 through 2019
CAT7 Products 2014 through 2019
CAT8 Products 2014 through 2019
Structured Cabling Components by Region of the World
Structured Cabling Component Sales by Region 2014 through 2019
Structured Cabling Connector Sales by Region 2014 through 2019
Structured Cabling Patch Cords by Region 2014 through 2019
Structured Cabling Copper Horizontal Cabling by Region 2014 through 2019
Structured Cabling Copper Connectors by Region 2014 through 2019
Structured Cabling Fiber Cable by Region 2014 through 2019
Structured Cabling Fiber Connectors by Region 2014 through 2019

What's New ?

Bishop & Associates has recently completed several new research reports about the worldwide connector industry. A table of contents for each report can be found at <http://store.bishopinc.com>.

- Report F-2015-01** **Connector Industry Forecast (March 2015) NEW**
- Report P-970-15** **Structured Cabling and Connectivity Market (February 2015) NEW**
- Report CA-785-15** **Top 100 Cable Assembly Companies (January 2015) NEW**
- Report RM-1050-14** **Connector Industry Roadmap (December 2014) NEW**
- Report P-640-14** **Evolving Wireless Power and Data Interconnects (November 2014)**
- Report T-910-14** **Multi-Gigabit Datacom Connectors and Cable Assemblies Market (November 2014)**
- Report M-607-14** **World Industrial Market for Connectors 2014 (October 2014)**
- Report M-121-14** **Top 100 Connector Manufacturers (September 2014)**
- Report P-799-14** **World Cable Assembly Market (August 2014)**
- Report C-122-14** **Connector Industry Yearbook (August 2014)**
- Report F-2014-01** **Connector Industry Forecast (July 2014)**
- Report M-720-14** **European Connector Market Handbook (June 2014)**
- Report P-680-14** **World RF Coax Connector Market (May 2014)**
- Report M-4100-14** **Non-Automotive Transportation Market for Connectors (May 2014)**
- Report D-100-14** **The World Distribution Market for Connectors (April 2014)**

THE BISHOP REPORT - CONNECTOR INDUSTRY YEARBOOK

An annual subscription to [THE BISHOP REPORT](#) (12 issues) is available for \$1,150. As part of your Bishop Report subscription, you have admission to BishopReport.com, a website that provides quick access to prior issues of The Bishop Report, News Briefs, connector industry news, the connector industry forecast, and various industry statistics. An annual corporate subscription is available for \$2,950, which includes an unlimited number of subscribers and one PDF version of the Yearbook.

The [CONNECTOR INDUSTRY YEARBOOK](#) is available for \$1,450. However, Bishop & Associates offers a special combined price of \$1,750 for [THE BISHOP REPORT and the CONNECTOR INDUSTRY YEARBOOK](#) (an annual savings of \$850).

[Click here](#) to view an expanded report description, and a complete table of contents, for all Bishop & Associates' research reports.



Bishop & Associates Inc.

1209 Fox Glen Drive • St. Charles, IL 60174

Phone: 630.443.2702 • Fax: 630.443.2704 • bishop@bishopinc.com • ConnectorIndustry.com

Online Ordering: <http://store.bishopinc.com>