

# Structured Cabling Technology and Market Assessment.

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## Abstracts

This report contains in-depth analysis of the market for structured cabling components and evaluations of what products may be introduced in the future. The report discusses the ongoing battle between copper and fiber systems and how this will play out in the coming years.

### **This report is beneficial to those seeking to understand:**

The technology drivers in the structured cabling market.

The utilization of copper versus fiber optic systems.

The five-year, worldwide forecast for connectors and cable assemblies by media type, product type and region of the world.

There is a strong connection between the success of Gigabit Ethernet and the fact that it runs over structured cabling. Like its predecessor, 1000BASE-T, 10G over twisted-pair copper (10GBASE-T) holds the promise of being an order of magnitude less costly than its optical competitor (10GBASE-SR). What has held it back thus far has been its high power consumption. This issue is being resolved through advances in transceiver-chip lithography, which is driving down power consumption.

Even so, fiber has taken a foothold in the network at 10G. Fiber-optic products are poised to steadily take market share from copper products in the structured cabling market over the next five years. The overall five-year CAGR for fiber from 2012 to 2017 is expected to exceed XX%, while copper will be down X.X%. While the copper

structured cabling market is expected to shrink, it is by less than X%, so there is still revenue to be had over the next five years, especially in CAT6 UTP for Gigabit Ethernet and CAT7 for 10G.

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Fiber Cable by Data Rate

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Structured Cabling Copper Cabling Systems

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CAT6 U/UTP Products

CAT6F/UTP Products

CAT6A U/UTP Products

CAT6A F/UTP Products

CAT7 Products

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Structured Cabling Component Sales by Region

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Copper Connectors by Region

Fiber Cable by Region

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