AMP NETCONNECT XG Solutions

10-Gigabit, Multiple Media Solutions

AMP NETCONNECT

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Why AMP NETCONNECT XG Solutions?

- IT Managers
  - It's cool – get the highest LAN data rate capability in your network
  - Two system choices: optical fiber (XG Fiber) and shielded twisted pair copper (XG Shielded)
  - Tyco Electronics offers AMP NETCONNECT systems for all these choices – we know it all, inside and out
- CEOs and CIOs
  - Return on Investment (ROI) starts on day one and never stops
  - Expenses associated with download, upload and backup time is minimized
  - Global capabilities with local service and support

Cornerstone Technology

- XG Optical Fiber System
  - AMP NETCONNECT XG Fiber - supports 10 Gigabit applications up to 300 meters with lowest-cost electronics
  - AMP NETCONNECT Fiber Connectivity – fastest installation in the market with the most connector choices in the market
- XG Shielded Copper System
  - AMP NETCONNECT XG Shielded cable, shielded patch cords and AMP-TWIST shielded connectors - supports 10GBASE-T to 100 meters with headroom

How it Works - Installation

- XG Optical Fiber Systems
  - Installation is no different than with standard fiber types – same tools, same procedures, same enclosures
- XG Shielded Copper Systems
  - AMP-TWIST jacks installed with the SL Series Installation Tools – the fastest shielded jack in the market

Payback

- Latency is…
- Total cost of latency for the company per year is the result of adding dollars of productivity lost for the company per year and lost revenue for the company per year
  - Example: A company with annual revenue of $10M and 100 employees averages 10 minutes, per day, per employee of latency cost – that's $271,000 annually just in time spent waiting for file movement
    - 80G iPod takes 13 minutes to transfer at 100Mb/s
- Cost of latency is increasing as file sizes increase
  - Audio and video files vs text files
  - Real-time streaming video and teleconferences
- Networks capable of greatest speed have lower latency costs

The Wow Factor

- 10 Gigabit technology is available today
- 10 Gigabit cabling technology is backward-compatible
  - Fiber supports Gigabit, 100Mb/s and 10Mb/s as well as other common LAN fiber applications
  - Copper supports Gigabit, 100Mb/s and 10Mb/s as well as other common LAN fiber applications
- Install it today, use it today, and use it tomorrow
- XG Fiber and XG Shielded solutions are immune to RMI and RFI
- XG Shielded cables have 30% smaller diameter than some Category 6A U/UTP cables
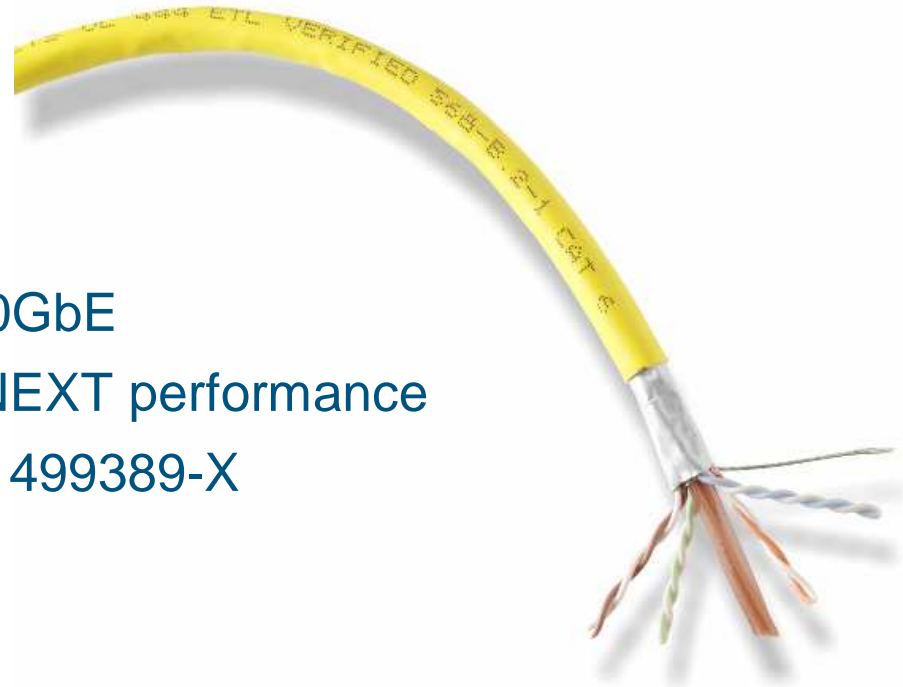
Product Overview

XG Cable and Cable Assemblies

- Cable
  - Plenum and Riser versions
  - 4-Pair with overall foil shield
  - Four colors
  - Exceeds requirements for 10GbE
  - Shield provides excellent ANEXT performance
  - CMP – 1499416-X, CMR – 1499389-X
- Cable Assemblies
  - 4-Pair with overall foil shield
  - Three colors
  - 1499480-X

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XG Shielded Jacks

- AMPTWIST Jacks
  - Fastest installation in the market
  - Heavy duty construction
  - 1711160-1 –dust cover
  - 1711342-1 – no dust cover
- SL Series Jacks
  - Can be installed with SL Tool
    for fast, consistent terminations
  - One-piece snap-on shield
- Both jacks exceed requirements for
  10Gigabit Ethernet

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XG Shielded Patch Panels

- Accepts AMPTWIST and Jacks SL Jacks
- 24-port Patch Panels, 1U
  - 1711278-2 – AMPTRAC-Ready
  - 336526-1 - Standard
    - Integrated cable support on rear of panel
  - 1933094-1 – Angled version
- 48-port Patch Panels, 2U
  - 1933079-1 – Flat version
  - 1933042-1 – Angled version
  - Use cable support bar for rear management
    - 406042-1 or 557548-1 purchased separately

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The XG Optical Fiber System

- A complete XG Fiber System guarantees compliance to 10Gb/s Standards
  - XG cables with 850nm laser optimized 50/125µm
  - XG stubbed connectors with laser optimized fiber
  - XG cable assemblies and patch cords with 850nm laser optimized 50/125µm

Products for the XG Optical Fiber System

- Connectors
  - MT-RJ Patch Panel and Outlet Jacks
  - MT-RJ SECURE Patch Panel and Outlet Jacks
  - LightCrimp Plus SC and LC
  - Note: LightCrimp and epoxy/polish connectors will also work
- Cable Assemblies with XG Fiber
- Cables with XG Fibers
- Multimode adapters suitable for use with XG connectors

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