Product Focus

High Performance Copper Cabling for the Data Centre:
                                Solution

FutureCom EA Plug & Play has been specifically designed to deliver high performance copper cabling solutions in data centres and server rooms. The solution supports 10 Gigabit Ethernet (10GBase-T) with enhanced performance margin, providing the longevity needed for future bandwidth and capacity needs.

This solution enables rapid deployment with factory pre-terminated, 100% tested trunks and switch harness links. Additional cabling connections and trunks can be easily added as your connectivity needs grow. No connectors or termination kits are required   just plug in to fit your requirements.

- 80% faster installation compared to traditional cabling methods
- Simple installation without the need for special tools
- 100% factory terminated and tested for high reliability
- Outstanding electrical system performance at 10GbE networking
- Accomodates short links less than 15 metres for switch harness links, avoiding the signal reflection that could degrade network performance
- Certified to support 6-connector Links and Channels

A range of trunk cable assemblies and patchcords provide the flexibility to suit your infrastructure designs. For instance, the FutureCom Sextuple S500 Plug & Play Package enables six cables to be run at once. The cable assembly combines six S/FTP 1000/23 cables in a single jacket, pre-terminated with six S500 jacks at either one or both ends depending on the installation requirements.

Additional features include:

- 14% reduction in outer cable diameter and bend radius
- 36% reduction in weight
- 30% better fire rating
- Less material and packaging to reduce waste on site

For more information on the FutureCom EA System and Plug & Play click here.

Product Updates

Data Centre Product and Content News:

PCH Housings and Plug & Play^{TM}

Corning PCH housings are available in 1U and 4U sizes for mounting in 19-inch racks or cabinets. When combined with modules, connector panels, harnesses, trunks and patch cords, they provide a Plug & Play fibre optic cabling solution for ease of use and speedy installation.
Features and Benefits:

- Plug & Play universal system for OM2, OM3 & OM4 multimode and OS2 single mode fibre optic connectivity
- The 4U housing support up to 12 modules or connector panels with a maximum capacity of 144 LC duplex ports (288 fibres) or 144 MTP ports (1,732 fibres)
- The 1U housing supports up to 3 modules or connector panels with a maximum capacity of 36 LC duplex ports (72 fibres) or 36 MTP ports (432 fibres)
- Module tray slides forward for ease of access
- Cable strain-relief provides protection for fibres and cables
- Removable cover and air holes helps with cooling

For further information on PCH and Plug & Play, please view our online catalogue.

LAN Product and Content News:

New Solid Wire Patch Cords

The new solid wire patch cords extends our range of copper patch cords to better serve customer requirements:

- Available in a light grey colour (RAL7035) and a variety of
- The patch cord has a solid conductor wire of 4.2mm (AWG 26) and is suitable for IDC boards
- Part number: CCAEBB-G8002-Axxx-C0 (xxx=length indicator)
  Example: CCAEBB-G8002-A100-C0 for 10m.

Please view our online catalogue for more details.

Industrial Applications:

New Field-installable RJ-45 Connector

-installable RJ45 connector, which is suitable for industrial environments. It offers outstanding performance for the transmission of digital data signals up to 10GbE.

- Compliance with the new Class E_A and IEEE 802.3an
- Supports for PoE, PoE+ and UPoE applications
- The connector can be used with flex and solid wire cables 0.4 - 0.76mm (AWG 22-27)
- Providing easy and fast installation without tools
- Part number: CAXISS-00100-C003

For further information, please view our online catalogue.

IP Certified Outlets

Ethernet active and passive components in industrial systems are exposed to higher cable strain when compared to office areas and need to be adapted to more rigorous environmental requirements. Of particular relevance are the mounting on top-hat/DIN rails, extended operating temperature range, a high IP protection level (against dust, dirt, oil, water ingress) and vibration resistance.

Corning offers a variety of IP rated outlets, including the
□   □   □ □   ® Jacks.
Part number: CAXISD-U0208-C001

For more information on outlets suitable for industrial applications, please view our online catalogue.

Industrial IP67/65 patch cords
To complete the installation, FutureCom industrial IP67/65 patch cords are available. These S/FTP flex patch cords are foil and braid shielded (PiMF) and offer a polyurethane jacket to meet the requirements in harsh environmental conditions.