

# FutureCom™ EA System

A FutureCom™  
Solutions Product

## features and benefits |

### 10 Gigabit Ethernet performance

Certified high data rate transmission.

### System specifications exceeding ISO/IEC11801:2002 Amd 1:2008 and Amd 2:2009 Class E<sub>A</sub> Channel and PL as well as TIA/EIA-568-B.2-10-Cat.6A 2008-04 requirements

Additional margin achieved provides flexibility in critical environments and higher network integrity.

### Fully shielded system

Immunity against electromagnetic interference and alien crosstalk.

### Plug & Play solution

Saves up to 80% of the installation time through factory-terminated and 100% tested backbone cable assemblies. The Plug & Play solution also includes consolidations point cable assemblies with various trunk options.

### Halogen Free and Flame retardant RoHS compliant

Does not form acidic substances in case of a fire. Material does not burn easily minimizing flame propagation. Complies with environmental regulations.

### Cat. 6<sub>A</sub> and above cables

Future-proof implementations with minimum diameter, light weight cables.

### Cat. 6<sub>A</sub> connectors

500MHz performance with LANscape or Keystone footprint and high density up to 48 ports in a 1.5 U 19" LANscape panel.

### Cat. 6<sub>A</sub> component certification

according to ISO/IEC 11801:2002 Amd 2:2009 and for Cat.6A according to TIA/EIA-568-B.2-10 for components.

### Class E<sub>A</sub> 6-Connector-Link and Channel

certified according to class E<sub>A</sub> (ISO/IEC 11801 Amd 2: 2009). Including outstanding system performance especially for short links (< 15 m).

### FutureCom EA Patch cords

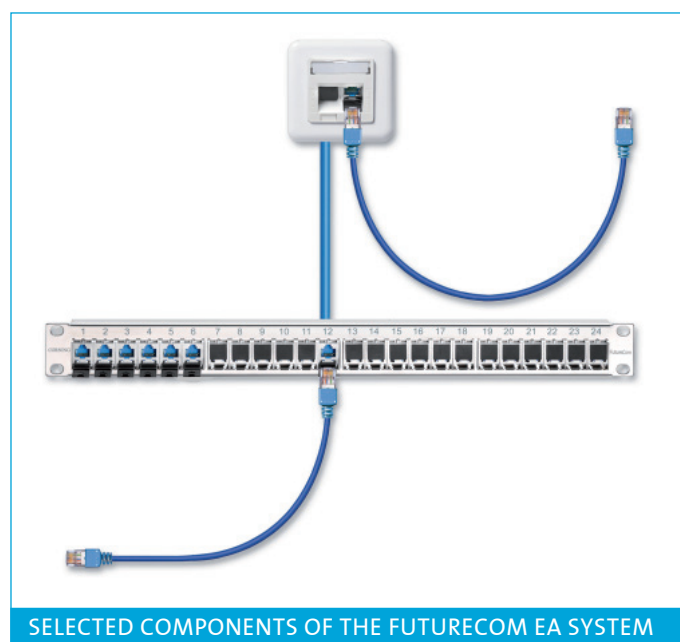
Enhanced system performance.


Corning Cable Systems' FutureCom EA System has been specially designed to support 10 Gigabit Ethernet (10GBase-T) over 100 meters with enhanced performance margin. FutureCom EA is part of Corning's FutureCom family of high-performance copper cabling solutions for premises networks.

Its new shielded FutureCom S500 core copper RJ45 module has achieved independent third-party Cat.6<sub>A</sub> component certification. The system is fully compliant with the IEEE 802.3an and Class E<sub>A</sub> (ISO/IEC 11801) standards for 10 Gigabit/s Ethernet transmission. The shielded FutureCom EA system's immunity against external and internal electromagnetic interferences (EMI) allows for alien near- (ANEXT) and far-end (AFEXT) crosstalk free communication on 10Gigabit levels without compromises. The system is also suitable for Power over Ethernet (PoE) applications in compliance with IEEE 802.3af (2003) and new PoE Plus applications.

The module combined with Category 6<sub>A</sub>, Cat 7 or Cat.7<sub>A</sub> cables and FutureCom EA patch cords achieve unprecedented link performance and warrant maximum protection of investment. A completely installed FutureCom EA system provides a universal generic cabling solution for the use of Ethernet, VoIP, telephone, TV and other services.

The performance of the FutureCom 500 has been tested and certified by an independent testing body with all standardised EMC test parameters.



Part Number	Description
 CAXASM-00104-C001	FutureCom S500 module, Cat. 6 <sub>A</sub> , 1x RJ45, shielded, with dust cover, for installation in LANscape patch panels, outlets and floor box mounting panels.
 CAXBSM-00104-C001	FutureCom S500 Keystone module, Cat. 6 <sub>A</sub> , 1x RJ45, shielded, with dust cover, for installation in Keystone patch panels, outlets and floor box mounting panels.
 CAXASM-00104-C002	FutureCom S500 <sup>fx</sup> module, Cat. 6 <sub>A</sub> , 1x RJ45, shielded, with dust cover and additional strain relief for stranded wire cable, for installation in LANscape patch panels, outlets and floor box mounting panels.
 CAXBSM-00104-C002	FutureCom S500 <sup>fx</sup> Keystone module, Cat. 6 <sub>A</sub> , 1x RJ45, shielded, with dust cover and additional strain relief for stranded wire cable, for installation in Keystone patch panels, outlets and floor box mounting panels.
 CAXASV-02400-C001	FutureCom S500 Patch panel 19", Cat. 6 <sub>A</sub> , shielded, incl. 24 FutureCom S500 Cat. 6 <sub>A</sub> modules with integral strain relief, 1U, front panel of high-grade steel, Corning-labelled.
 CAXASV-02408-C001	FutureCom S500 Patch panel 19", Cat. 6 <sub>A</sub> , shielded, incl. 24 FutureCom S500 Cat. 6 <sub>A</sub> modules with integral strain relief, 1U, black, Corning-labelled.
 CAXASD-S0201-C001	FutureCom S500 Outlet, Cat. 6 <sub>A</sub> , 2x RJ45, shielded, inclined, incl. mounting frame with grounding flap, central plate 50x50 mm with designation window, screw fixing (without faceplate), Corning-labelled, white, RAL 9010.
 CAXASD-S0202-C001	FutureCom S500 Outlet, Cat. 6 <sub>A</sub> , 2xRJ45, shielded, inclined, incl. mounting frame with grounding flap, central plate 50x50 mm with designation window, screw fixing (without faceplate), Corning-labelled, pearl white, RAL 1013.
 CCAAGB-F1072-Axxx-C0	FutureCom S500 Consolidation Point Patch Cord S/FTP flex/26, 4 pairs, shielded, FRNC jacket, gray, application-neutral, AWG26 stranded wire, pre-terminated with one RJ45 plug and one S500 <sup>fx</sup> module, Cat. 6 <sub>A</sub> , length xxx m
 CCAADB-F2073-Axxx-C0	5500 Plug & Play Solution Package, S/FTP 1000/23 cable, 4 pairs, shielded, FRNC jacket, blue, pre-terminated with two S500 modules, Cat. 6 <sub>A</sub> , length xxx m, Corning-labelled.
 CCAADB-F2671-Axxx-C0	5500 Plug & Play Solution Package, 6x S/FTP 1000/23 cable, 4 pairs, shielded, with common jacket, FRNC, blue, one end pre-terminated with six S500 modules, Cat. 6 <sub>A</sub> , length xxx m, Corning-labelled.
 CCAADB-F2671-Axxx-EN	5500 Plug & Play Solution Package, 6x S/FTP 1000/23 cable, sewed, 4 pairs, shielded, jacket FRNC, blue, one end pre-terminated with six S500 modules, Cat. 6 <sub>A</sub> , length xxx m, Corning-labelled.
 CCAADB-F2673-Axxx-C0	5500 Plug & Play Solution Package, 6x S/FTP 1000/23 cable, 4 pairs, shielded, with common jacket, FRNC, blue, pre-terminated with six S500 modules at each end, Cat. 6 <sub>A</sub> , length xxx m, Corning-labelled.
 CCAADB-F2673-Axxx-EN	5500 Plug & Play Solution Package, 6x S/FTP 1000/23 cable, sewed, 4 pairs, shielded, jacket FRNC, blue, pre-terminated with six S500 modules at each end, Cat. 6 <sub>A</sub> , length xxx m, Corning-labelled.
 CCAAGB-G2002-Axxx-C0	FutureCom EA Patch Cord S/FTP flex/26, Cat. 6 <sub>A</sub> , 2x RJ45, foil shielded pair (PIMF) and braid shield, 4 pairs assigned, multi-service, for example 10/100/1000Base-T and 10GBase-T, sheath FRNC, blue, length xxx m.
 CAXASN-00000-C002	Mandatory strain relief for absorbing high forces and screen on the S500 modules for 90° cable installation, pack a 100 pieces.
 CAXASN-00000-C003	Additional strain relief for absorbing high forces and screen on the S500 modules for 0° cable installation, pack a 100 pieces.
 CAXCSN-00000-C010	Assembly tool for connecting basic modules with wire management, suitable for all FutureCom™ modules from S100° up to S500/S500 <sup>fx</sup> .
 CAXCSN-00000-C011	Self-adhesive copper conducting tape 9 x 45 mm on roll, for FutureCom modules, 1000 pieces.

For further product and application information please contact Corning Cable Systems at one of the following locations:

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