

Cinch Connectivity Solutions Introduces C-ENX Modular Rectangular Connector Line for Aerospace

Lombard, IL [August 12, 2021] Cinch Connectivity Solutions, a Bel group company, and global leader in delivering reliable connectivity solutions announces the introduction of the C-ENX range of shells, inserts and contacts for in-cabin interconnectivity for the aerospace industry. The main applications include routing power, signal, and data for avionic systems throughout the aircraft.

Designed to meet the requirements of ARINC 800 and European Standard EN 4644, the C-ENX family features a rectangle profile that provides a reduction in weight and size over the circular connectors currently used by the aerospace industry. This translates directly to operational cost savings over the lifetime of the aircraft.

“Every ounce of weight in an aircraft represents an operational cost of approximately \$5,000 over the lifetime of the aircraft,” explained Brad Taras, Product Manager, Bel. “The C-ENX connector line provides a slim, completely modular and expandable solution that reduces size and weight, while increasing ease of use, which will deliver immediate and significant gains to aerospace manufacturers.”

Leaders in the aerospace industry have already started transitioning to modular rectangular connectors, as they provide significant advantages over circular style connectors. As well as offering higher pin density and lower weight, the design allows for blind mating needed for LRM/LRUs (line replaceable modules and units). The C-ENX line is available in single-, double-, triple-, and quadruple-cavity outlines for panel mount to cable, cable to cable, floating mount and panel mount to panel mount configurations.

The modular design comprises shells, inserts, contacts and backshells, with various options available to suit any aerospace application. The shells utilize the same panel cut-outs throughout the product offering. The modular design supports a more flexible and efficient assembly process, allowing manufacturers to outsource more of the cable assembly or incorporate changes later in the design cycle. This also promotes longevity in service, by supporting simpler maintenance and more efficient upgrades.

Summary

Series: [C-ENX EN 4644 Modular Rectangular Connectors](#)

Applications: Commercial Aerospace

Distribution availability: [Digi-Key](#), [Mouser](#)

Catalog: [EN 4644 Electrical Solutions & Fiber Catalog](#)

About Bel

[Cinch](#) is a [Bel](#) group company (NASDAQ: BELFA and BELFB). Bel designs, manufactures and markets a broad array of products that include circuit protection, connectors, cable assemblies, discrete components, magnetics and power supplies. The Company serves a global market and operates facilities around the world.

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