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Stewart Connector's New RJ45 Plugs for Large Diameter CAT6a Horizontal Cables

Devices Accept Cable Diameter Range of AWG23 to AWG24 and Accommodate Conductor Sizes up to 0.048" in Diameter

GLEN ROCK, Pa.--(BUSINESS WIRE)-- [Stewart Connector](#), a division of [Bel Fuse Inc.](#), (NASDAQ: BELFA) (NASDAQ: BELFB) today announced the release of [large diameter Category 6a 8P8C modular plug \(SS-39200-027\)](#). The new RJ45 plugs are the latest addition to Stewart Connector's extensive portfolio of connectors designed to support Gigabit Ethernet (1000Base-T) and 10 Gigabit Ethernet (10GBase-T) transfer rates, along with PoE (Power over Ethernet). They notably accept a cable diameter range of AWG23 to AWG24 and accommodate conductor sizes up to 0.048" in diameter. The UL Listed, RoHS-compliant connectors are specifically offered to support terminations requiring horizontal cabling, which extends from the telecommunications outlet in the work area to the horizontal cross-connect in the telecommunications room. Horizontal cabling is often specified in direct connect or consolidation point applications where link lengths exceed 10 meters (33 feet). Since the cabling used in these systems is typically made of AWG23 or AWG24 solid conductor copper and is larger than traditional patch cable, standard modular plugs cannot be used. Due to Stewart's proprietary contact design and unique conductor load bar, the SS-39200-027 large diameter plug is able to terminate the large diameter horizontal cabling in the same form factor as traditional RJ45 modular plugs.

Stewart Connector's low-profile, large diameter, modular plugs are well suited for high-density switches and routers, and can be used in both shielded and unshielded applications. They feature a snag-less strain relief boot to prevent plug tab damage during installation and a wire aligner to ensure precise conductor placement during assembly. Moreover, the CAT6a connectors boast 360-degrees of shielding to protect signals from external noise.

Plug, load bar and wire aligner are manufactured of UL94-V0 polycarbonate and feature 50 microinches gold-plated contacts for robust, long-lasting connections. Additional specifications include an operating temperature range of -40 degrees C to +85 degrees C, and durability of 750 matching cycles. Voltage rating is 150 VAC, and current rating is 1.5 A @ 25 degrees C. Parts are field installable with standard Stewart Connector's termination tooling. Plug kits are offered individually bagged in packaging suited for field installation as well as bulk packaged for factory terminations. For detailed information on Stewart Connector's complete modular plug offering, visit <http://belfuse.com/ethernet/modular-plugs>.

Average pricing for Stewart Connector's large diameter RJ45 CAT6a (SS-39200-027) plugs is \$1.93 each in quantities of 500. Delivery is from stock. Samples are available.

About Bel

Bel (www.belfuse.com) and its divisions are primarily engaged in the design, manufacture, and sale of products used in networking, telecommunications, high-speed data transmission, commercial aerospace, military, transportation, and consumer electronics. Products include magnetics (discrete components, power transformers and MagJack[®] connectors with integrated magnetics), modules (DC-DC converters and AC-DC power supplies, integrated analog front-end modules and custom designs), circuit protection (miniature, micro and surface mount fuses) and interconnect devices (micro, circular and filtered D-Sub connectors, fiber optic connectors, passive jacks, plugs and high-speed cable assemblies). The Company operates facilities around the world.

Except for historical information contained in this news release, the matters discussed are (including information regarding Stewart Connector's large diameter CAT6a SS-39200-027 and SS-39200-030 modular plugs) forward looking statements that involve risks and uncertainties. Among the factors that could cause actual results to differ materially are the following: the effect of business and economic conditions, the impact of competitive products and pricing; capacity and supply constraints or difficulties; product development, commercializing or technological difficulties; the regulatory and trade environment; and the risk factors reported from time to time in the Company's SEC reports.

Investor Contact:

Neil Berkman Associates

310-477-3118

info@berkmanassociates.com

or

Company Contact:

Bel Fuse Inc.
Daniel Bernstein
President
201-432-0463
ir@BelFuse.com
www.belfuse.com

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