

EPP-918A Environmental Protectant



Ruggedized Modular Connectors for Harsh Environments



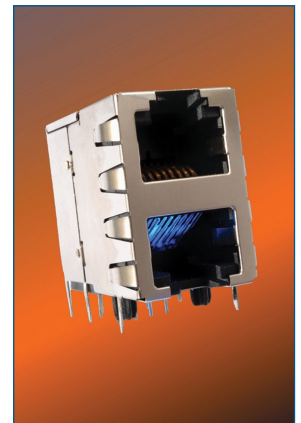
Features / Benefits

- Improves durability and reliability for RJ11 and RJ45 jacks
- Prevents corrosion from harsh environmental conditions
- Withstands high temperature soldering (in excess of 260° C for 10 seconds)
- Superior resistance to wear and tear during insertion testing
- Low Level Contact Resistance (LLCR) testing to over 10,000 cycles with no measurable change to gold-plated contacts
- Contains UV tracer for visible inspection of EPP-918A coating on contacts
- RoHS and REACH compliant

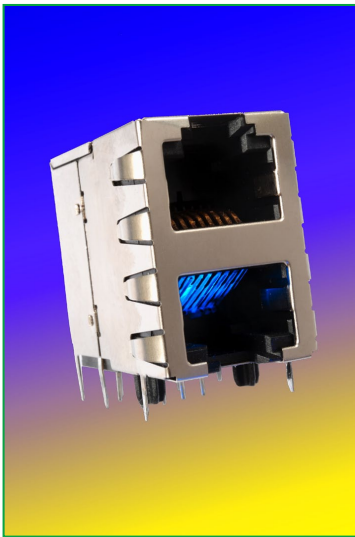
Bel Stewart's EPP-918A protectant improves product reliability by providing an unprecedented level of defense against harsh environmental conditions. In addition to providing superior moisture, humidity, and corrosion resistance, EPP-918A also shields against wear due to repetitive mating/unmating forces. By guarding contacts with our patented protective coating, EPP-918A prolongs the life of contacts within RJ11 and RJ45 jacks despite exposure to extreme environmental conditions. Once applied (during the manufacturing process), EPP-918A will not migrate — it adheres to contacts instantly and remains intact without the need for additional tape, mechanical barriers, or cure time. This characteristic eliminates the added expense that other barrier methods often entail.

EPP-918A environmental protectant can be used with virtually any Bel Stewart connector product to increase durability and reliability.

Bel Stewart Connector
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Applications

EPP-918A is useful in any application involving harsh environmental conditions and/or a very high number of mating cycles. Bel Stewart's EPP-918A is suitable for network systems and devices used in:

- Fiber to the Home (FTTH) networks
- Industrial Ethernet networks
- Outdoor network and communications equipment
- Military field equipment
- Marine environments
- Warehouse applications
- Mining, oil, and manufacturing applications
- EMT communication devices
- Field test equipment
- Field service equipment
- Mobile electronics

EPP-918A Typical Properties

Property	Value	Test Method
Color	Light Yellow	—
Specific Gravity	0.75	ASTM D-792
Density	0.89	ASTM D-1480
Operating Temp Range	-40° to +85° C	—
Water Solubility	Negligible	—

Connector Products with EPP-918A

Part Number	Contacts	Positions	Gold Contact Plating	Description
SS60000-009G	8	8	50 micro-inches	Single-port, shielded, right angle jack
SS60000-007G	8	8	50 micro-inches	Unshielded, vertical jack
SS64800-057G	8	8	50 micro-inches	Shielded jack with enhanced shield
SS66800-036G	8	8	30 micro-inches	8-port harmonica, non-flanged jack
SS70100-011G	8	10	30 micro-inches	Single-port, shielded, micro jack with panel grounds
SS71800-018G	8	8	30 micro-inches	Single-port, CAT5/5e jack with panel grounds
SS60300-010G	8	8	50 micro-inches	Single-port, shielded right angle, 10Gigabit jack

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