

Secure locking keyed RJ45 Connectors, Cable Assemblies & Accessories

Advanced Fiber Products Ltd. (AFP) is a leading designer, developer and manufacturer of optical and optoelectronic and specialized products for telecom, enterprise, industrial, military, and broadcast markets. The company headquartered at Haverhill, near Cambridge in the United Kingdom has developed a wide variety of novel and secure connectivity products both fiber and copper for use in sensitive and adverse operating environments.

AFP's patent pending Secure RJ45 connectivity solution is designed to prevent unauthorized or inadvertent changes to cabling networks in highly sensitive applications such as data-centers, enterprise networks including financial, educational, secure IT and military networks, where multiple physical layer access classifications are critical.

AFP's unique 'tamper proof' Secure RJ45 connectivity solution is compatible and can be retro-fitted to nearly all industry-standard RJ ports in both network equipment and patches panels. AFP's Secure RJ solution is available in CAT6 Slim-line and CAT6A performance configurations and complies to TIA-568-C.2 standards.

The locking secure RJ connectors (SRJ) can only be unplugged with matching color-keyed extraction tools. These tools also automatically de-latch the RJ connectors from the ports, limiting disturbance and damage to adjacent connector channels in dense applications. The SRJ connector is supplied with a transparent polymer housing allowing the operator to view the status LEDs on active electronic equipment.

Access to empty or unassigned ports can be prevented with the use of keyed color coded SRJ Port Blockers. The SRJ solution compliments the Secure LC fiber solution also available for optical networking from AFP.



Applications

- Secure Military IT networks
- Commercial Enterprise networks
- Datacenters

Features

- True locked keyed connector security
- Multiple key configurations of access control and tamper-proofing
- Compatible with industry standard passive and active RJ45 ports
- Available in eight key colours to allow easy identification and administration of the network
- Port Blockers available for locking out unused ports

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Patent Applications Pending

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The Secure RJ cable assemblies and matching extraction tools are available in eight key ways and colors. White patch cord cable is standard. Red and blue cable colors as well as shielded patch cords can also be supplied upon request.

Complimenting the SRJ connectors, AFP also provides Secure RJ Locking Port Plugs acting as 'locking dust caps' enabling empty RJ ports to be locked out, preventing the unauthorized insertion of a cable assembly or connector. The port plugs can be disconnected in the same way as the SRJ connector simply by using the appropriately keyed extraction tool.

Cable Assembly Part Number Configuration

SRJ-	Cable Type-	Cable Colour-	End A Housing Key	End B Housing Key	Length - measure
SRJ	C6 = CAT6 C6A = CAT6a	W = white	XX**	XX**	XMT = Length- in meters XFT = Length- in feet
** XX determines housing key/colour:					
BK = Black	C = Clear	Y = Yellow	O = Orange	R = Red	B = Blue
G = Green	P = Purple	PT = Pigtail			
Example: SRJ-C6-W-Y-Y-PC-0.5MT			SRJ patchcord CAT6 white cable, yellow housings, 0.5MT		

SRJ Keyed Extraction Tools



SRJ Port Blockers



Secure RJ Component Part Numbers

Key Housing Colour	Port Blocker P/No	Extraction Tool P/No
Black	SRJPB-BK	SRJET-BK
Yellow	SRJPB-Y	SRJET-Y
Orange	SRJPB-O	SRJET-O
Red	SRJPB-R	SRJET-R
Blue	SRJPB-B	SRJET-B
Green	SRJPB-G	SRJET-G
Purple	SRJPB-P	SRJET-P
Admin	N/A	SRJET-A

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RoHS Directive Compliant. Compliant with TIA-568-C.2 Requirements.

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