

OSDP Bonded Access Control Composite Cable

Description:

Lake Cable's newest Access Control cable incorporates OSDP (Open Supervised Device Protocol) technology for ultimate security and protection for your card readers. Made with our patented Lake Cable *Multi-Bond process, this process provides security experts everything they need in access control solutions.

Construction:

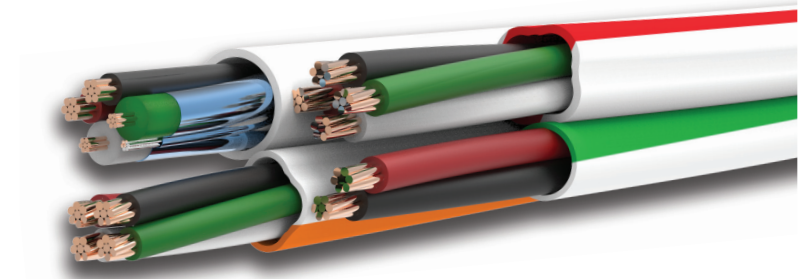
Four element individually jacketed plenum-rated access control composite cable (see specification sheet for more details).

Lake Cable Part Number: OSDPACCESS1P-BND

- 22 AWG 1 Pair Tinned Copper Shielded RS-485
- 18 AWG 4 Conductor Bare Copper Unshielded
- 22 AWG 4 Conductor Bare Copper Unshielded
- 22 AWG 2 Conductor Bare Copper Unshielded

Lake Cable Part Number: OSDPACCESS2P-BND

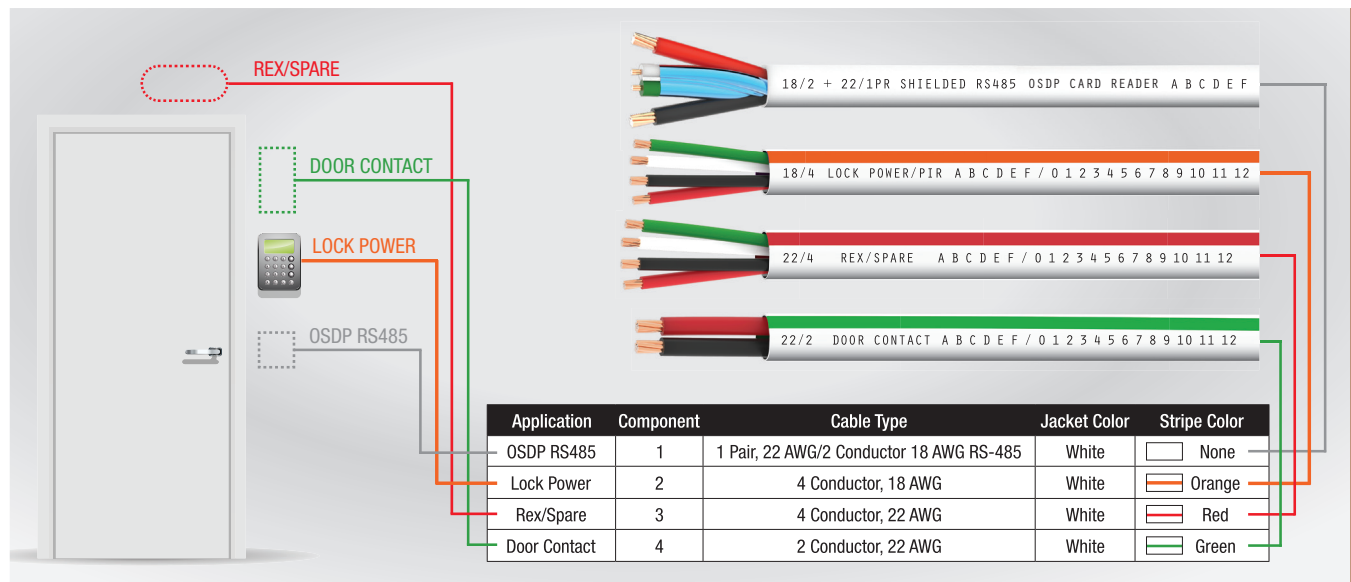
- 22 AWG 2 Pair Tinned Copper Shielded RS-485
- 18 AWG 4 Conductor Bare Copper Unshielded
- 22 AWG 4 Conductor Bare Copper Unshielded
- 22 AWG 2 Conductor Bare Copper Unshielded



Lake Cable Part Number: OSDPCOMB01-BND

- 22 AWG 1 Pair Tinned Copper Shielded RS-485/ 18 AWG 2 Conductor Unshielded Bare Copper
- 18 AWG 4 Conductor Bare Copper Unshielded
- 22 AWG 4 Conductor Bare Copper Unshielded
- 22 AWG 2 Conductor Bare Copper Unshielded

** Patent protected technology that is UL approved for bonding multiple cables together without an overall jacket.*



What is OSDP?

Open Supervised Device Protocol (OSDP) is an access control communications standard developed by the Security Industry Association (SIA) to improve interoperability among access control and security products.

OSDP was approved as an international standard by the International Electrotechnical Commission in May 2020, and was published as IEC 60839-11-5.

Why specify OSDP?

SIA encourages broad adoption of this standard – which is already in wide use by many leading manufacturers like Cypress, HID Global and Mercury – and recommends specifying OSDP for any access control installations that require real security and/or will be used in government and other higher-security settings. SIA OSDP is particularly valuable for government applications because it meets federal access control requirements like PKI for FICAM.

Benefits of OSDP

Compared to common low-security legacy protocols, the OSDP standard offers:

Higher Security

- OSDP is more secure than the most common access control communications protocol
- OSDP Secure Channel supports high-end AES-128 encryption (required in federal government applications)
- OSDP constantly monitors wiring to protect against attack threats

Advanced Functionality

- OSDP supports advanced smartcard technology applications, including PKI/FICAM and biometrics
- OSDP supports bi-directional communications among devices
- OSDP supports advanced user interfaces, including welcome messages and text prompts
- OSDP's use of two wires instead of 12+ allows for multi-drop installation, supervised connections to indicate reader malfunctions, and scalability to connect more field devices

Ease of Use

- Audio-visual user feedback mechanisms provide a rich, user-centric access control environment
- Guesswork is eliminated since encryption and authentication are predefined
- Low cost of implementation on an embedded device

More Interoperability

- Using OSDP enables communication among different manufacturers' devices and solutions
- The OSDP standard applies to peripheral devices such as card readers and other devices at secured access doors/gates and their control panels
- SIA promotes the OSDP standard among manufacturers at regular "plugfests" and at SIA InteropFest, an annual interoperability event held at the ISC West trade show
- The OSDP specification is currently recommended when TCP/IP, USB or other common protocols do not lend themselves to the application
- The OSDP specification is extensible to IP environments and the OSDP Working Group is working on deploying OSDP over IP soon

Compliance:

- Cable suitable for installation under NEC (NFPA 70) articles 800, 725 and 760 guidelines
- Cable suitable for installation in Canada under Section 60 of CEC, Part 1
- C(UL)US Listed as CMP per UL standard 444 and per CSA C22.2 No. 214
- UL Listed as CL3P per UL standard 13 or FPLP per UL standard 1424
- Cable meets NFPA 262 (Steiner tunnel) flame test
- Cable meets RoHS 2002/95/EC Directive, RoHS 2 2011/65/EU Directive, RoHS 3 2015/863/EU Directive
- Cable is REACH compliant per Regulation (EC) No 1907/2006 (197) Updated January 15, 2019
- Proudly made in the USA

Lake Cable is recognized for providing clients with better, smarter and faster service. We offer flexibility with design and provide solutions that fit your applications' exact specifications and requirements, with products that are proudly made in the USA. Shortest minimum manufacturing runs and shortest lead times make Lake Cable **BETTER. SMARTER. FASTER.**

To learn more about how OSDP technology offers the ultimate security and protection for your card readers, call one of our sales representatives: **888-518-8086**

Call: 888-518-8086
Or visit: lakecable.com

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