

Belden OSDP Cables The Future of Access Control

Belden's offering of OSDP Access Control Cables provide high levels of security, flexibility, convenience, and performance to connect security and access control systems. Remain TIA-485 compliant at maximum supported baud rates and cable distances.

- Enhanced security to protect data
- Simple and quick implementation
- Low maintenance and added functionality

Key Features

- Higher security levels against hacks and other threats
- Two-way communication
- Overall smaller cable with fewer conductors
- Advanced user interfaces
- Communication between different
 manufacturers
- Specification extendable to IP environments

Part No	No. of Cond	CondType	Insulation Type & Thickness Shielding		Jacket Type & Thickness	Nom. OD	NEC Type	Nom. Capacitance and Impedance	Jacket Colors
6640FD	1 Pair	24AWG (7x32) TC 26 Ohms/1000ft	Foam FEP .025″	Overall 100% Foil Shield	Flex Plenum .015"	.186″	CMP	10.8 pf/ft 120 Ohms	Orange
6540FD	1 Pair	22AWG (7x30) TC 16.3 Ohms/1000ft	Foam FEP .023"	Overall 100% Foil Shield	Flex Plenum .015"	.210″	CMP	13.5 pf/ft 120 Ohms	White, Black
6541FD	2 Pair	22 AWG (7x30) TC 16.3 Ohm/1000ft	Foam FEP .023"	Overall 100% Foil Shield	Flex Plenum .016"	.292"	CMP	13.5 pf/ft 120 Ohms	White, Black
6641FD	2 Pair	24AWG (7x32) TC 26 Ohms/1000ft	Foam FEP .021"	Overall 100% Foil Shield			CMP	13.5 pf/ft 120 Ohms	Black, Orange
	1 Pair	24AWG (7x32) TC 26 Ohms/1000ft	Foam FEP .025"	Overall 100% Foil Shield	Flex Plenum		СМР	13.5 pf/ft 120 Ohms	Black, Orange and Gray
6381MD	2 Cond	18AWG (7x26) BC 6.2 Ohms/1000ft	PVC .010"	None	.020"	.215"			
	1 Pair	22 AWG (7x30) TC 16.3 Ohm/1000ft	Foam FEP .030"	Overall 100% Foil Shield	Flex Plenum .020"	.246"	СМР	13.5 pf/ft 120 Ohms	Black
6281MD	2 Cond	16AWG (19x29) BC 4.2 Ohms/1000ft	PVC .010"	None					
5381M1	1 Pair	22 AWG (7x30) TC 16.3 Ohm/1000ft	Foam PE Polyethylene .025"	Overall 100% Foil Shield	Waterblocking Tape UV Resistant PVC .032"	.272"	Indoor/ Outdoor CM	13.5 pf/ft 120 Ohms	Black
	2 Cond	18AWG (7x26) BC 6.2 Ohms/1000ft	PVC .010"	None					

Color Code

Part No	Data Pair	Power
6381MD 6281MD 5381MD	Blue, White	Black, Red
6640FD	Blue, White	
6541FD 6641FD	White, Green Brown, Blue	







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OSDP Composite Cable

OSDP Reader w/Power



Part No.	Eement Type.	No of Cond/ pairs	Cond Type	Insulation Type and Thickness	Shielding	Jacket Type & Thickness	Nom. OD	NEC Type	Nom. Capacitance & Impedance	Jacket Colors
	OSDP Reader	1 Pair	24AWG (7x32) TC	Foam PE .029"	Overall 100% Foil Shield	Flex Plenum .020"	.215″	СМР	12.8pf/ft 120 Ohms	Orange
		2 Cond	18AWG (7x26) BC	PVC .010"	None					
658HMS	Door Contact	2 Cond	22AWG (7x30) BC	PVC .008"	None	UV Resistant PVC	.116″		34pf/ft	White
	Lock power	4 Cond	18AWG (7x26) BC	PVC .008"	None	UV Resistant PVC	.182″		27pf/ft	Gray
	REX/ Spare	4 Cond	22AWG (7x30) BC	PVC .008"	None	UV Resistant PVC	.136″		34pf/ft	Blue

Overall Jacket: None - Banana Peel Overall Cable O.D.

.455″



Dual OSDP Reader

Part No.	Eement Type.	No of Cond/ pairs	Cond Type	Insulation Type and Thickness	Shielding	Jacket Type & Thickness	Nom. OD	NEC Type	Nom. Capacitance & Impedance	Jacket Colors
668AMD	OSDP Reader	2 Pair	24AWG (7x32) TC	Foam FEP .021″	Overall 100% Foil Shield	Flex Plenum .018"	.252"	СМР	13pf/ft 120 Ohms	Orange
	Door Contact	4 Cond	22AWG (7x30) BC	Plenum PVC .008"	None	Flex Plenum	.141″			White
	Lock power	4 Cond	18AWG (7x26) BC	Plenum PVC .010"	None	Flex Plenum	.182″			Gray
	REX/ Spare	4 Cond	18AWG (7x26) BC	Plenum PVC .010"	None	Flex Plenum	.182″			Blue
Overall Jacket: None - Banana Peel			Banana Peel							

Overall Cable O.D.

.472″

OSDP Reader w/Power Indoor/Outdoor



Part No.	Eement Type.	No of Cond/ pairs	Cond Type	Insulation Type and Thickness	Shielding	Jacket Type & Thickness	Nom. OD	NEC Type	Nom. Capacitance & Impedance	Jacket Colors
538HMD1	OSDP Reader	1 Pair	22AWG (7x30) TC	Foam PE .029"	Overall 100% Foil Shield	UV Resistant	.272"		13.5 pF/ft 120 Oms	Orange
		2 Cond	18AWG (7x26) BC	PVC .011"	Waterblock Tape	PVC .032"		Indoor/		
	Door Contact	2 Cond	22AWG (7x30) BC	PVC .009"	Waterblock Tape	UV Resistant PVC	.168″	Outdoor CM		White
	Lock power	4 Cond	18AWG (7x26) BC	PVC .010"	Waterblock Tape	UV Resistant PVC	.232″			Gray
	REX/ Spare	4 Cond	22AWG (7x30) BC	PVC .010"	Waterblock Tape	UV Resistant PVC	.187″			Blue
Overall Jacket:		UV Resis	stant PVC							

Overall Cable O.D.

.566″

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