

OSDP - Open Supervised Device Protocol

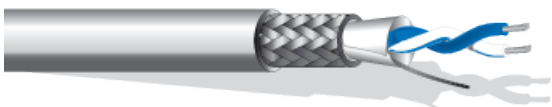
The Future of Access Control



Open Supervised Device Protocol (OSDP) is the future of Access Control. OSDP improves interoperability and increases security over standard Weigand systems.

The OSDP standard offers:

- > Higher security levels against hacks and other threats
- > Advanced Functionality
 - Two-way communication
 - Fewer conductors and a smaller cable
 - Advanced user interfaces
- > Ease of use
- > More interoperability
 - Communication between different manufacturers
 - Specification extendable to IP environments
- > SIA - Security Industry Association Standard



RS-485 Communication - Non-Plenum

Catalog No.	No. of Conductors	Cond. Type & Nom. DCR	Insulation Type & Thickness	Shielding	Jacket Type & Thickness	Nom. O.D	NEC Type	Nom. Capacitance & Impedance	Jacket Colors
			Inches		Inches				
D4851	1 Pair	24 AWG (7 x 32) TC 26Ω/Mft	PE .020	Overall 100% Foil + 90% Braid	PVC .032	.275	CM	12.8pf/ft 120Ω	Gray
D2401	1 Pair	24 AWG (7 x 32) TC 26Ω/Mft	Polyolefin .013	Overall 100% Foil	PVC .030	.160	CM	14.5pf/ft 100Ω	Gray



RS-485 Communication - Plenum

Catalog No.	No. of Conductors	Cond. Type & Nom. DCR	Insulation Type & Thickness	Shielding	Jacket Type & Thickness	Nom. O.D	NEC Type	Nom. Capacitance & Impedance	Jacket Colors
			Inches		Inches				
1PR24P	1 Pair	24 AWG (7 x 32) TC 26Ω/Mft	Foam FEP .025	Overall 100% Foil	Flex Plenum .015	.156	CMP	10.8pf/ft 120Ω	Orange
D254851	1 Pair	24 AWG (7 x 32) TC 26Ω/Mft	Foam FEP .023	Overall 100% Foil + 90% Braid	Flex Plenum .017	.202	CMP	12.8pf/ft 120Ω	Gray
D252401	1 Pair	24 AWG (7 x 32) TC 26Ω/Mft	FEP .013	Overall 100% Foil	Flex Plenum .015	.115	CMP	14.5pf/ft 100Ω	Gray
D25222P	2 Pair	22 AWG (7 x 30) TC 17Ω/Mft	Foam FEP .0245	Individually Shielded Pairs	Flex Plenum .018	.277	CMP	13.5pf/ft 120Ω	White

OSDP - Open Supervised Device Protocol

RS-485 Communication with Power



RS-485 Communication & Power

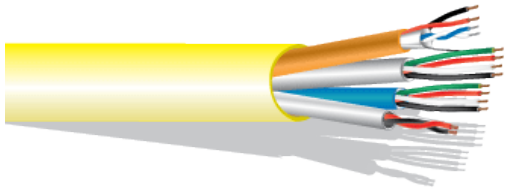
Catalog No.	No. of Conductors	Cond. Type & Nom. DCR	Insulation Type & Thickness	Shielding	Jacket Type & Thickness	Nom. O.D	NEC Type	Nom. Capacitance & Impedance	Jacket Colors
			Inches		Inches				
1PR2418P	1 Pair	24 AWG (7 x 32) TC	Foam FEP .025	Overall 100% Foil	Overall Flex Plenum PVC .020	.244	CMP	12.8pf/ft 120Ω	Black White/ Orange Strip
	2 Cond	18 AWG (7x26) BC	Plenum PVC .010	None				23pf/ft	
1PR2216P	1 Pair	22 AWG (7x30) TC	Foam FEP .030	Overall 100% Foil	Overall Flex Plenum PVC .020	.280	CMP	13.5pf/ft 120Ω	Black
	2 Cond	16 AWG (19x29) BC	Plenum PVC .008	None				23pf/ft	

Insulation Color Code

Catalog No.	Color Code
D4851 D254851 1PR24P	1 Pair: Blue/White, White/Blue
D2401 D352401	1 Pair: Black, Red
1PR2418P 1PR2216P	Data Pair: Blue/White, White/Blue Power: Black, Red
D25222P	1: White/Green 2. Orange/Brown

OSDP - Open Supervised Device Protocol

Composite Cable - ALL-IN-ONE



OSDP All - IN - One (4 Elements)

Catalog No.	No. of Conductors	Cond. Type & Nom. DCR	Insulation Type & Thickness	Shielding	Jacket Type & Thickness	Nom. O.D	NEC Type	Nom. Capacitance & Impedance	Jacket Colors
			Inches		Inches				
ACOSDP	2 Conductor	22AWG (7x30) BC	Plenum PVC .008	None	Flex PVC .015	.116	CMP	--	White
	4 Conductor	22AWG (7x30) BC	Plenum PVC .008	None	Flex PVC .015	.136	CMP	--	Blue
	4 Conductor	18AWG (7x26) BC	Plenum PVC .008	None	Flex PVC .015	.180	CMP	--	Gray
	1 Pair	24 AWG (7 x 32) TC	Foam FEP .025	Overall 100% Foil	Overall Flex Plenum PVC .020	.244	CMP	12.8pf/ft 120Ω	White/ Orange Stripe
	2 Cond	18 AWG (7x26) BC	Plenum PVC .008	None				23pf/ft	

Overall OD: .410"

Overall Jacket Color: Yellow