



Product: [658JMS](#)

OSDP Access Control Cable, CMP, 14C (OSDP Reader 1Pr-22, #18-2, #18-4, #22-6), , Banana Peel®

Product Description

OSDP Access Control Cable, CMP, 14C (OSDP Reader 1Pr-22, #18-2, #18-4, #22-6), , Banana Peel®

Technical Specifications

Product Overview

Suitable Applications:	Access Control, Security System, Power Limited Controls, OSDP Reader
Patent:	This product has one or more applicable patents. More information on patents can be found at <a href="https://www.belden.com/patents">https://www.belden.com/patents</a> .

Construction Details

Conductor

Element Description	Element	No. of Elements	Size	Stranding	Material	Notes
Card Reader	Data Pair(s)	1 Pair	22	7x30	TC - Tinned Copper	Data Pair - 1 Pr. 22AWG Shielded, RS-485 - Reader
	Power	2	18	7x26	BC - Bare Copper	Power Pair - 2C 18AWG Unshielded
Door Contact	Conductor(s)	2	22	7x30	BC - Bare Copper	
REX/Spare	Conductor(s)	4	22	7x30	BC - Bare Copper	
Lock Power	Conductor(s)	4	18	7x26	BC - Bare Copper	

Insulation

Element Description	Element	Material	Nom. Thickness	Color Code
Card Reader	Data Pair(s)	FEP - Fluorinated Ethylene Propylene (Foam)	.025 in (0.64 mm)	Blue, White
	Power	PVC - Polyvinyl Chloride	.012 in (0.30 mm)	Black, Red
Door Contact	Conductor(s)	PVC - Polyvinyl Chloride	.008 in (0.20 mm)	Black, Red
REX/Spare	Conductor(s)	PVC - Polyvinyl Chloride	.008 in (0.20 mm)	Black, Red, White, Green
Lock Power	Conductor(s)	PVC - Polyvinyl Chloride	.008 in (0.20 mm)	Black, Red, White, Green

Inner Shield

Element Description	Element	Shield Type	Material	Coverage	Drainwire Type
Card Reader	Data Pair(s)	Tape	Bi-Laminate (Alum+Poly)	100%	24 AWG (7x32) TC
	Power	No Shield			
Door Contact	Conductor(s)	No Shield			
REX/Spare	Conductor(s)	No Shield			
Lock Power	Conductor(s)	No Shield			

Inner Jacket

Element	Material	Nom. Thickness	Nom. Diameter	Ripcord	Color
Card Reader	PVC - Polyvinyl Chloride (Conductive)	.020 in (0.51 mm)	.221 in (5.61 mm)		White
Door Contact	PVC - Polyvinyl Chloride	.015 in (0.38 mm)	.120 in (3.05 mm)	Yes	White/Green Stripe
REX/Spare	PVC - Polyvinyl Chloride	.015 in (0.38 mm)	.139 in (3.53 mm)	Yes	White/Red Stripe
Lock/Power	PVC - Polyvinyl Chloride	.015 in (0.38 mm)	.189 in (4.80 mm)	Yes	White/Orange Stripe

Outer Jacket

Material	Nom. Diameter
Banana Peel (No Overall Jacket)	.461 in (11.7 mm)

Table Notes:	Banana Peel®
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Overall Cable Diameter (Nominal):	.461 in (11.7 mm)
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Electrical Characteristics

Electricals

Element Description	Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedence
Card Reader	Data Pair(s)	16.8 Ohm/1000ft (55.1 Ohm/km)	13 pF/ft (43 pF/m)	24 pF/ft (79 pF/m)	120 Ohm
	Power	6.2 Ohm/1000ft (20 Ohm/km)			
Door Contact	Conductor(s)	16.2 Ohm/1000ft (53.1 Ohm/km)			
REX/Spare	Conductor(s)	16.2 Ohm/1000ft (53.1 Ohm/km)			
Lock Power	Conductor(s)	6.2 Ohm/1000ft (20 Ohm/km)			

Voltage

UL Voltage Rating
300 V

Mechanical Characteristics

Temperature

UL Temperature	Operating
75°C	0°C to +75°C

Bend Radius

Installation Min.
4.6 in (120 mm)

Max. Pull Tension:	205 lbs (93.0 kg)
Bulk Cable Weight:	105 lbs (47.6 kg)

Standards and Compliance

Environmental Suitability:	Indoor - Plenum, Indoor
Flammability / Reaction to Fire:	NFPA 262, UL 910 (Plenum), FT6
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 800, CMP
CEC / C(UL) Compliance:	CMP
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

Product Notes

Notes:	Cold environment installation: When installing cables that have been stored at ambient temperatures of 32 degrees Fahrenheit (0 degrees Centigrade) or lower, Belden recommends conditioning of the cable for 12 hours at room temperature prior to individual cable leg separation
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History

Update and Revision:	Revision Number: 0.5 Revision Date: 08-20-2025
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