



Product: [658HMS](#)

OSDP Access Control Cable, CMP, 14C (OSDP Reader 1Pr-24, #18-2, #18-4, #22-6), , Banana Peel®

Product Description

OSDP Access Control Cable, Plenum CMP, 14C (OSDP Reader 1Pr 24+18/2, #18-4, #22-6), , Banana Peel® No overall jacket

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 Conductors	No. of Pairs	Size	Stranding	Material	Notes
Card Reader	Data Pair(s)		1	24	7x32	TC - Tinned Copper	Data Pair - 1 Pr. 24AWG Shielded, RS-485 - Reader
Card 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
Card Reader	Power	PVC - Polyvinyl Chloride	.012 in (0.30 mm)	Red, Black
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	.010 in (0.25 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
Card Reader	Power	No Shield			
Door Contact	Conductor(s)	No Shield			
REX/Spare	Conductor(s)	No Shield			
Lock Power	Conductor(s)	No Shield			

Inner Jacket

Element Description	Material	Nom. Thickness	Nom. Diameter	Color
Card Reader	PVC - Polyvinyl Chloride	.020 in (0.51 mm)	.215 in (5.46 mm)	Orange
Door Contact	PVC - Polyvinyl Chloride	.015 in (0.38 mm)	.120 in (3.05 mm)	White
REX/Spare	PVC - Polyvinyl Chloride	.015 in (0.38 mm)	.139 in (3.53 mm)	Blue
Lock Power	PVC - Polyvinyl Chloride	.015 in (0.38 mm)	.189 in (4.8 mm)	Gray

Outer Jacket

Material	Nom. Diameter
Banana Peel (No Overall Jacket)	.455 in (11.6mm)

Table Notes:	Banana Peel®
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Overall Cable Diameter (Nominal):	.455 in (11.6 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)	24 Ohm/1000ft (79 Ohm/km)	13 pF/ft (43 pF/m)	24 pF/ft (79 pF/m)	120 Ohm
Card Reader	Power	6.2 Ohm/1000ft (20 Ohm/km)			
Door Contact	Conductor(s)	16.2 Ohm/1000ft (53.1 Ohm/km)			
REX/Spare	Conductor(s)	16.5 Ohm/1000ft (54.1 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

Stationary Min.	Installation Min.
4.0 in (100 mm)	4 in (100 mm)

Max. Pull Tension:	198 lbs (89.8 kg)
Bulk Cable Weight:	98.38 lbs/1000ft (146.4 kg/km)

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: 0.49 Revision Date: 03-25-2024
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