



**Product:** [668AMD](#)

Dual OSDP Access Control Cable, CMP, 16C (OSDP Reader 2Pr-#24, #18-8, #22-4), Banana Peel®

### Product Description

16C - Dual OSDP Access Control Cable, Plenum-CMP, #24-2 Pr., 8-18 AWG conductors, 4-22 AWG conductors, OSDP Reader Composite Cable With Foam FEP & Flamarrest insulation, Only Card Reader Data Pairs have overall Beldfoil® shield, Banana Peel® No overall jacket - CMP

### 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	No. of Conductors	No Of Pairs	Size	Stranding	Material	Notes
Data Pair(s)		2	24	7x32	TC - Tinned Copper	2 Pair 120 Ohm - Dual OSDP Readers
Door Contact	4		22	7x30	BC - Bare Copper	
REX/Spare	4		18	7x26	BC - Bare Copper	
Lock/Power	4		18	7x26	BC - Bare Copper	

##### Insulation

Element	Material	Nom. Thickness	Color Code
Data Pair(s)	FEP - Fluorinated Ethylene Propylene (Foam)	.021 in (0.53 mm)	1. White/Green 2. Brown/Blue
Door Contact	PVC - Polyvinyl Chloride	.008 in (0.20 mm)	Black, Red, White, Green
REX/Spare	PVC - Polyvinyl Chloride	.009 in (0.23 mm)	Black, Red, White, Green
Lock/Power	PVC - Polyvinyl Chloride	.009 in (0.23 mm)	Black, Red, White, Green

##### Inner Shield

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

##### Inner Jacket

Element	Material	Nom. Thickness	Nom. Diameter	Ripcord	Color
Data Pair(s)	PVC - Polyvinyl Chloride	.016 in (0.41 mm)	.480 in (12.2 mm)	Yes	Orange
Door Contact	PVC - Polyvinyl Chloride	.015 in (0.38 mm)	.139 in (3.53 mm)	Yes	White
REX/Spare	PVC - Polyvinyl Chloride	.015 in (0.38 mm)	.180 in (4.57 mm)	Yes	Blue
Lock/Power	PVC - Polyvinyl Chloride	.015 in (0.38 mm)	.180 in (4.57 mm)	Yes	Gray

##### Outer Jacket

Material	Nom. Diameter
Banana Peel (No Overall Jacket)	.480 in (12.2 mm)

Table Notes:	Banana Peel®
Overall Cable Diameter (Nominal):	.480 in (12.2 mm)

## Electrical Characteristics

### Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedence
Data Pair(s)	26 Ohm/1000ft (85 Ohm/km)	13 pF/ft (43 pF/m)	24 pF/m (7.3 pF/ft)	120 Ohm
Door Contact	16.4 Ohm/1000ft (53.8 Ohm/km)			
REX/Spare	6.4 Ohm/1000ft (21 Ohm/km)			
Lock/Power	6.4 Ohm/1000ft (21 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.

Max. Pull Tension:	180 lbs (82 kg)
Bulk Cable Weight:	138 lbs (62.6 kg)

## Standards and Compliance

Environmental Suitability:	Indoor - Plenum
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 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
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## History

Update and Revision:	Revision Number: 0.34 Revision Date: 06-18-2024
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