



Product: [6386MD](#) 

Dual OSDP In/Out + 4C 18 AWG Power - Banana Peel - CMP

Product Description

8 Cond - Dual OSDP Access Control Cable, Plenum-CMP, #22-2 Pr Overall Shielded, Overall Jacket, 4-18 AWG conductors Overall jacket, Banana Peel Construction - 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 https://www.belden.com/patents .

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material	Notes
Data Pair(s)	2	22	7x30	TC - Tinned Copper	2 Pair 120 Ohm - Dual OSDP In/Out
Power	4	18	7x26	BC - Bare Copper	Power Conductors In/Out

Insulation

Element	Material	Nom. Insulation Diameter	Color Code
Data Pair(s)	FEP - Fluorinated Ethylene Propylene (Foam)	.021 in (0.53 mm)	1. White/Green 2. Brown/Blue
Power	PVC - Polyvinyl Chloride	.009 in (0.23 mm)	Black, Red, Gray, Blue

Inner Shield

Element	Shield Type	Material	Coverage	Drainwire Type
Data Pair(s)	Tape	Bi-Laminate (Alum+Poly)	100%	24 AWG (7x32) TC
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)	.292 in (7.42 mm)	Yes	White
Power	PVC - Polyvinyl Chloride	.015 in (0.38 mm)	.180 in (4.57 mm)	Yes	Black

Outer Jacket

Material	Nom. Diameter
Banana Peel (No Overall Jacket)	.472 x .292 in

Outer Jacket1 Table Notes:	Banana Peel®
Overall Cable Diameter (Nominal):	.472 x .292

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedance
Data Pair(s)	26 Ohm/1000ft (85 Ohm/km)	13.5 pF/ft (44.3 pF/m)	25.3 pF/ft (83.0 pF/m)	120 Ohm
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.
5.0	5.0

Max. Pull Tension:	110 lbs (50 kg)
Bulk Cable Weight:	60 lbs (27 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: 0.5 Revision Date: 11-01-2024
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