



Product: [658BMJ](#)

Access Control, 20c (2x#22-3pr, #18-4c, #22-4c), Only Card Reader Pairs Shielded, Outer Jacket, CMP

Product Description

Access Control Cable, Plenum-CMP, 3-22 AWG pairs, 3-22 AWG pairs, 4-22 AWG conductors, 4-18 AWG conductors, All conductors stranded bare copper with Flamarrest® insulation, both 3-22 AWG pair groups have overall Beldfoil® shield and Flamarrest® jacket, Overall Flamarrest® jacket

Technical Specifications

Product Overview

Suitable Applications:	Access Control, Security System, Power Limited Controls
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Physical Characteristics (Overall)

Conductor

Element	AWG	Stranding	Material	No. of Conductors	No. of Pairs
Pair(s)	22	7x30	BC - Bare Copper		3
Pair(s)	22	7x30	BC - Bare Copper		3
Conductor(s)	22	7x30	BC - Bare Copper	4	
Conductor(s)	18	7x26	BC - Bare Copper	4	

Conductor Count:	20
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Insulation

Element	Material
Pair(s)	PVC - Polyvinyl Chloride
Conductor(s)	PVC - Polyvinyl Chloride
Conductor(s)	PVC - Polyvinyl Chloride
Conductor(s)	PVC - Polyvinyl Chloride

Color Chart

Color
Black & Red
White & Green
Brown & Orange

Color Chart 2

Color
Black & Red
White & Green
Brown & Orange

Color Chart 3

Color
Black
Red
White
Green

Color Chart 4

Color

Black
Red
White
Green

Inner Shield Material

Element	Type	Material	Coverage [%]
Pair(s)	Tape	Bi-Laminate (Alum+Poly)	100%
Pair(s)	Tape	Bi-Laminate (Alum+Poly)	100%
Conductor(s)	No Shield		
Conductor(s)	No Shield		

Inner Jacket Material

Element	Material	Color	Nominal Diameter	Ripcord
Pair(s)	PVC - Polyvinyl Chloride	Orange	0.216 in	Yes
Pair(s)	PVC - Polyvinyl Chloride	Gray	0.216 in	Yes
Conductor(s)	PVC - Polyvinyl Chloride	White	0.143 in	Yes
Conductor(s)	PVC - Polyvinyl Chloride	Blue	0.189 in	Yes

Outer Jacket Material

Material	Nominal Diameter	Ripcord
PVC - Polyvinyl Chloride	0.505 in	No

Electrical Characteristics**Conductor DCR**

Nominal Conductor DCR	Nominal Inner Shield DCR
16.3 Ohm/1000ft	14.9 Ohm/1000ft
16.3 Ohm/1000ft	14.9 Ohm/1000ft
16.4 Ohm/1000ft	
6.5 Ohm/1000ft	

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Shield
33 pF/ft	60 pF/ft
33 pF/ft	60 pF/ft
27 pF/ft	
34 pF/ft	

Current

Max. Recommended Current [A]
2.2 Amps per Conductor at 25°C
2.2 Amps per Conductor at 25°C
2.2 Amps per Conductor at 25°C
4 Amps per Conductor at 25°C

Voltage

UL Description	UL Voltage Rating
UL CMP	300 V

Temperature Range

Operating Temp Range:	0°C to +75°C
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Mechanical Characteristics

Bulk Cable Weight:	122 lbs/1000ft
Max. Pull Tension:	235 lbs

Standards

NEC Articles:	Article 800
NEC/(UL) Compliance:	CMP
CEC/C(UL) Compliance:	CMP

Applicable Environmental and Other Programs

Environmental Space:	Indoor - Plenum
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU CE Mark:	Yes
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
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Flammability, LS0H, Toxicity Testing

C(UL) Flammability:	FT6
UL Flammability:	NFPA 262
CSA Flammability:	FT6
UL voltage rating:	300 V

Plenum/Non-Plenum

Plenum (Y/N):	Yes
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History

Update and Revision:	Revision Number: 0.12 Revision Date: 10-20-2020
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