



Product: [658AMJ](#)

Access Control, 16c (#22-3pr, #18-4c, #22-6c), Only Card Reader Pairs Shielded, Outer Jacket, CMP

Product Description

Access Control Cable, Plenum-CMP, 3-22 AWG pairs, 4-18 AWG conductors, 4-22 AWG conductors, 2-22 AWG conductors, All conductors stranded bare copper with Flamarrrest® insulation, 3-22 AWG pairs have overall Beldfoil® shield and Flamarrrest® jacket, overall Flamarrrest® jacket

Technical Specifications

Product Overview

Suitable Applications:	Access Control, Security System, Power Limited Controls
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Construction Details

Conductor

Element Description	Element	Number of Element	AWG	Stranding	Material
Card Reader	Pair(s)	3	22	7x30	BC - Bare Copper
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	Thickness	Color Code
Card Reader	Pair(s)	PVC - Polyvinyl Chloride	0.009 in	Black & Red, White & Green, Brown & Orange
Door Contact	Conductor(s)	PVC - Polyvinyl Chloride	0.009 in	Black, Red
REX/Spare	Conductor(s)	PVC - Polyvinyl Chloride	0.009 in	Black, Red, White, Green
Lock Power	Conductor(s)	PVC - Polyvinyl Chloride	0.010 in	Black, Red, White, Green

Inner Shield Material

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

Inner Jacket Material

Element Description	Element	Material	Nom. Diameter	Ripcord	Color
Card Reader	Pair(s)	PVC - Polyvinyl Chloride	0.216 in	Yes	Orange
Door Contact	Conductor(s)	PVC - Polyvinyl Chloride	0.124 in	Yes	White
REX/Spare	Conductor(s)	PVC - Polyvinyl Chloride	0.143 in	Yes	Blue
Lock Power	Conductor(s)	PVC - Polyvinyl Chloride	0.189 in	Yes	Gray

Outer Jacket Material

Material	Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.020 in	0.455 in	Yes

Cable Diameter (Nominal):	0.455 in
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Electrical Characteristics

Electricals

Element Description	Element	Nom. Conductor DCR	Nom. Inner Shield DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Shield	Max. Current
Card Reader	Pair(s)	16.3 Ohm/1000ft	14.9 Ohm/1000ft	33 pF/ft	60 pF/ft	2 Amps per Conductor at 25°C
Door Contact	Conductor(s)	16.4 Ohm/1000ft		27 pF/ft		2.2 Amps per Conductor at 25°C
REX/Spare	Conductor(s)	16.4 Ohm/1000ft		27 pF/ft		2.2 Amps per Conductor at 25°C
Lock Power	Conductor(s)	6.5 Ohm/1000ft		34 pF/ft		4 Amps per Conductor at 25°C

Voltage

UL Voltage Rating
300 V (UL CMP)

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.	Installation Min.
4.5 in	4.6 in

Max. Pull Tension:	200 lbs
Bulk Cable Weight:	102 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor - Plenum, Indoor
Sustainability:	Product Lens™, Environmental Product Declaration (EPD) Available
Flammability / Fire Resistance:	NFPA 262, FT6, FT6, IEC 60332-1-2
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)
Non-Plenum Number:	558AMJ

History

Update and Revision:	Revision Number: 0.242 Revision Date: 05-26-2021
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