



Product: [658AFJ](#)

Access Control, 16c (#22-3pr, #18-4c, #22-6c), 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 Flamarrest® insulation, Each cable has 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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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	Color Code
Card Reader	Pair(s)	PVC-LS - Polyvinyl Chloride (Low Smoke)	Black & Red, White & Green, Brown & Orange
Door Contact	Conductor(s)	PVC-LS - Polyvinyl Chloride (Low Smoke)	Black, Red
REX / Spare	Conductor(s)	PVC-LS - Polyvinyl Chloride (Low Smoke)	Black, Red, White, Green
Lock Power	Conductor(s)	PVC-LS - Polyvinyl Chloride (Low Smoke)	Black, Red, White, Green

Inner Shield Material

Element Description	Element	Type	Material	Coverage	Drain Type
Card Reader	Pair(s)	Tape	Alum / Poly	100%	24 AWG (7x32) TC
Door Contact	Conductor(s)	Tape	Alum / Poly	100%	24 AWG (7x32) TC
REX / Spare	Conductor(s)	Tape	Alum / Poly	100%	24 AWG (7x32) TC
Lock Power	Conductor(s)	Tape	Alum / Poly	100%	24 AWG (7x32) TC

Inner Jacket Material

Element Description	Element	Material	Nominal Diameter	Ripcord	Color
Card Reader	Pair(s)	PVC-LS - Polyvinyl Chloride (Low Smoke)	0.216 in	Yes	Orange
Door Contact	Conductor(s)	PVC-LS - Polyvinyl Chloride (Low Smoke)	0.128 in	Yes	White
REX / Spare	Conductor(s)	PVC-LS - Polyvinyl Chloride (Low Smoke)	0.147 in	Yes	Blue
Lock Power	Conductor(s)	PVC-LS - Polyvinyl Chloride (Low Smoke)	0.193 in	Yes	Gray

Outer Jacket Material

Material	Diameter	Ripcord
PVC-LS - Polyvinyl Chloride (Low Smoke)	0.463 in	Yes

Electrical Characteristics

Electricals

Element Description	Element	Nom. Conductor DCR	Nom. Inner Shield DCR	Nom. Capacitance Cond-to-Cond	Max. Current
Card Reader	Pair(s)	16.3 Ohm/1000ft	14.9 Ohm/1000ft	33 pF/ft	2 Amps per Conductor at 25°C
Door Contact	Conductor(s)	16.4 Ohm/1000ft	17.2 Ohm/1000ft	55 pF/ft	2.2 Amps per Conductor at 25°C
REX / Spare	Conductor(s)	16.4 Ohm/1000ft	17.2 Ohm/1000ft	33 pF/ft	2.2 Amps per Conductor at 25°C
Lock Power	Conductor(s)	6.5 Ohm/1000ft	16.4 Ohm/1000ft	42 pF/ft	4 Amps per Conductor at 25°C

Voltage

UL Voltage Rating
300 V (UL CMP)

Mechanical Characteristics

Temperature

Operating
0°C to +75°C

Bend Radius

Stationary Min.
4.75 in

Max. Pull Tension:	200 lbs
Bulk Cable Weight:	108 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
NEC / UL Compliance:	Article 800, CMP
CEC / C(UL) Compliance:	CMP
CPR Euroclass:	Eca
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.332 Revision Date: 06-09-2020
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