



Product: [558AMJ](#)

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

Product Description

Access Control Cable, Riser-CMR, 3-22 AWG pairs, 4-18 AWG conductors, 4-22 AWG conductors, 2-22 AWG conductors, All conductors stranded bare copper with polyolefin insulation, Only Card reader pairs have overall Beldfoil® shield and PVC jackets, overall PVC 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)	PP - Polypropylene	Black & Red, White & Green, Brown & Orange
Door Contact	Conductor(s)	PP - Polypropylene	Black, Red
REX/Spare	Conductor(s)	PP - Polypropylene	Black, Red, White, Green
Lock Power	Conductor(s)	PP - Polypropylene	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	0.211 in	Yes	Orange
Door Contact	Conductor(s)	PVC - Polyvinyl Chloride	0.123 in	Yes	White
REX/Spare	Conductor(s)	PVC - Polyvinyl Chloride	0.141 in	Yes	Blue
Lock Power	Conductor(s)	PVC - Polyvinyl Chloride	0.184 in	Yes	Gray

Outer Jacket Material

Material	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.469 in	Yes

Cable Diameter (Nominal):	0.469 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	24 pF/ft	43.25 pF/ft	2 Amps per Conductor at 25°C
Door Contact	Conductor(s)	16.4 Ohm/1000ft		17 pF/ft		2.2 Amps per Conductor at 25°C
REX/Spare	Conductor(s)	16.4 Ohm/1000ft		17 pF/ft		2.2 Amps per Conductor at 25°C
Lock Power	Conductor(s)	6.5 Ohm/1000ft		22 pF/ft		4 Amps per Conductor at 25°C

Voltage

UL Voltage Rating
300 V (UL CMR)

Mechanical Characteristics

Temperature

Operating
-5°C to +75°C

Bend Radius

Stationary Min.
4.75 in

Max. Pull Tension:	200 lbs
Bulk Cable Weight:	104 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor - Riser, Indoor
Flammability / Fire Resistance:	UL1666 Riser
NEC / UL Compliance:	Article 800, CMR
CEC / C(UL) Compliance:	CMR
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)
Plenum Number:	658AMJ

History

Update and Revision:	Revision Number: 0.135 Revision Date: 09-30-2020
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