

Product: [558AFS](#)



Access Control, 16c (#22-3pr, #18-4c, #22-6c), Shielded, Banana Peel®, 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, Each component has overall Beldfoil® shield and PVC jacket, Banana Peel® No overall jacket

Technical Specifications

Product Overview

Product Category:	Access Control
Suitable Applications:	Access Control, Security System, Power Limited Controls
Patent:	https://www.belden.com/resources/patents

Construction Details

Conductor

Cable 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

Cable Description	Element	Material	Color
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

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

Inner Jacket Material

Cable Description	Element	Material	Nominal Diameter	Ripcord	Color
Card Reader	Pair(s)	PVC - Polyvinyl Chloride	0.211 in	Yes	Orange
Door Contact	Conductor(s)	PVC - Polyvinyl Chloride	0.132 in	Yes	White
REX / Spare	Conductor(s)	PVC - Polyvinyl Chloride	0.151 in	Yes	Blue
Lock Power	Conductor(s)	PVC - Polyvinyl Chloride	0.194 in	Yes	Gray

Outer Jacket Material

Material	Nominal Diameter
None	0.448 in

OuterJacket1, Table Note: Banana Peel®

Electrical Characteristics

Electricals

Cable Description	Element	Nom. Conductor DCR	Nom. Inner Shield DCR	Nom. Capacitance Cond-to-Cond	Max. Current
Card Reader	Pair(s)	16.3 Ohm/1000ft	13.9 Ohm/1000ft	25 pF/ft	2A @ 25C ambient
Door Contact	Conductor(s)	16.4 Ohm/1000ft	16.1 Ohm/1000ft	34.5 pF/ft	2.2A @ 25C ambient
REX / Spare	Conductor(s)	16.4 Ohm/1000ft	16.1 Ohm/1000ft	22.5 pF/ft	2.2A @ 25C ambient
Lock Power	Conductor(s)	6.5 Ohm/1000ft	7.2 Ohm/1000ft	27 pF/ft	4A @ 25C ambient

Mechanical Characteristics

Temperature

Operating

0°C to +75°C

Bend Radius

Stationary Min.

4.5 in

Max Recommended Pulling Tension:

200 lbs

Standards and Compliance

Environmental Suitability:	Indoor - Riser, Indoor
Sustainability:	Environmental Product Declaration (EPD)=Yes, Product Lens(TM)=Yes, CA Prop 65 (CJ for Wire and Cable)=Yes
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 2

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 separation.
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History

Update and Revision: Revision Number: 0.273 Revision Date: 05-07-2020

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