




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

Voltage

UL Voltage Rating
300 V (UL CMR)

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
Flammability / Fire Resistance:	UL1666 Riser, IEC 60332-1-2
NEC / UL Compliance:	800, CMR
CEC / C(UL) Compliance:	CMG
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.
--------	--

History

Update and Revision:	Revision Number: 0.285 Revision Date: 05-22-2020
----------------------	--

© 2020 Belden, Inc
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.