

Part Number: 558AMS



Product Description

Technical Specifications

Physical Characteristics (Overall)

Conductor

Element	AWG	Stranding	Material	Nominal Diameter	No. of Conductors	No. of Pairs
Card Reader	22	7x30	BC - Bare Copper	0.03 in		3
Door Contact	22	7x30	BC - Bare Copper	0.03 in	2	
Rex/Spare	22	7x30	BC - Bare Copper	0.03 in	4	
Lock Power	18	7x26	BC - Bare Copper	0.047 in	4	

Conductor Count:	16
------------------	----

Insulation

Material	Nominal Wall Thickness
PP - Polypropylene	0.007 in
PP - Polypropylene	0.008 in
PP - Polypropylene	0.008 in
PP - Polypropylene	0.008 in

Color Chart

Number	Color
Card Reader 1	Black and Red
Card Reader 2	Green and White
Card Reader 3	Orange and Brown
Door Contact 1	Black
Door Contact 2	Red
Rex/Spare 1	Black
Rex/Spare 2	Red
Rex/Spare 3	White
Rex/Spare 4	Green
Lock/Power 1	Black
Lock/Power 2	Red
Lock/Power 3	White
Lock/Power 4	Green

Inner Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG
Tape	Aluminum Foil-Polyester Tape	Beldfoil®	100.0 %	TC - Tinned Copper	24
Unshielded					
Unshielded					

Inner Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
----------	------------------	------------------------

PVC - Polyvinyl Chloride	0.211 in	0.020 in
PVC - Polyvinyl Chloride	0.123 in	0.017 in
PVC - Polyvinyl Chloride	0.141 in	0.017 in
PVC - Polyvinyl Chloride	0.184 in	0.017 in

Outer Jacket Material

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.399 in

Electrical Characteristics

Conductor DCR

Element	Individual Pair Nominal Shield DCR	Nominal Conductor DCR
Card reader	13.9 Ohm/1000ft	16.3 Ohm/1000ft
Door Contact		16.4 Ohm/1000ft
Rex/Spare		16.4 Ohm/1000ft
Lock Power		6.5 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Shield
24 pF/ft	43.25 pF/ft
17 pF/ft	
17 pF/ft	
22 pF/ft	

Current

Max. Recommended Current [A]
Per conductor @ 25°C: 2 A
Per conductor @ 25°C: 2.2 A
Per conductor @ 25°C: 2.2 A

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

Operating Temp Range:	-20°C To +75°C
-----------------------	----------------

Mechanical Characteristics

Bulk Cable Weight:	80 lbs/1000ft
Max Recommended Pulling Tension:	200 lbs
Min Bend Radius/Minor Axis:	4 in

Standards

NEC Articles:	800
NEC/(UL) Specification:	CMR
CEC/C(UL) Specification:	CMR

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	Yes
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2015-05-23
CA Prop 65 (CJ for Wire & Cable):	Yes

Suitability

Suitability - Indoor:	Yes
-----------------------	-----

Flammability, LSOH, Toxicity Testing

UL Flammability:	UL1666 Riser
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	658AMS

Part Number

Patent:	https://www.belden.com/resources/patents
---------	---

© 2019 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.