

558GMS Composite - Lock Power, Card Reader, Door Contact, REX Applications

For more Information
please call

1-800-Belden1



**Picture
Not Available**

Description:

Access Control Banana Peel Composite Cable: Card Reader - 6 cond. 22 AWG BC overall shield w/drain wire. Door Contact - 4 cond. 22 AWG BC unshielded. Rex/Spare - 4 cond. 22 AWG BC unshielded. Lock/Power - 4 cond. 18 AWG BC unshielded.

Usage (Overall)

Suitable Applications: Access Control

Multi Conductor

Physical Characteristics

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material	Dia. (in.)
4	22	7x30	BC - Bare Copper	0.030
4	22	7x30	BC - Bare Copper	0.030
6	22	7x30	BC - Bare Copper	0.030
4	18	7x26	BC - Bare Copper	0.047

Insulation

Insulation Material:

Insulation Material	Dia. (in.)	AWG
F-R PVC - Flame Retardant Polyvinyl Chloride	0.049	22
F-R PVC - Flame Retardant Polyvinyl Chloride	0.066	

Insulation Color Code Chart:

Number	Color	Description
1	Black	Door Contact 1
2	Red	Door Contact 2
3	White	Door Contact 3
4	Green	Door Contact 4
5	Black	Rex/Spare 1
6	Red	Rex/Spare 2
7	White	Rex/Spare 3
8	Green	Rex/Spare 4
9	Black	Lock/Power 1
10	Red	Lock/Power 2
11	White	Lock/Power 3
12	Green	Lock/Power 4
13	Red	Card Reader 1
14	White	Card Reader 2
15	Green	Card Reader 3
16	Yellow	Card Reader 4
17	Orange	Card Reader 5
18	Black	Card Reader 6

Outer Shield

Outer Shield Material:

AWG	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)	Description
22	Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100.000	Card Reader

Outer Shield Drain Wire AWG:

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Component	AWG	Stranding	Drain Wire	Conductor Material
Card Reader	24	7x32		TC - Tinned Copper

Outer Jacket

Outer Jacket Diameter:

Component #	Nom. Dia. (in.)
Door Contact	0.140
Rex/Spare	0.161
Reader	0.189
Lock/Power Card	0.202

Outer Jacket Ripcord: Yes

Outer Jacket Color Code Chart:

Number	Color	Description
1	White	Door Contact
2	Blue	Rex/Spare
3	Orange	Card Reader
4	Gray	Lock/Power

Applicable Specifications and Agency Compliance Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMR

CEC/C(UL) Specification: CMG

Flame Test

UL Flame Test: UL1666 Vertical Shaft

Suitability

Suitability - Indoor: Yes

Electrical Characteristics

Nom. Capacitance Conductor to Shield:

Description	Freq. (MHz)	Capacitance (pF/ft)
Card Reader	1.000	56.000

Nom. Capacitance Conductor to Conductor:

Description	Freq. (MHz)	Capacitance (pF/ft)
Door Contact	1.000	46.000
Rex/Spare	1.000	46.000
Card Reader	1.000	31.000
Lock Power	1.000	38.000

Nom. Conductor DC Resistance:

Description	DCR @ 20°C (Ohm/1000 ft)
Door Contact	16.100
Rex/Spare	16.100
Card Reader	16.300
Lock Power	6.500

Nom. Inner Shield DC Resistance:

Description	DCR @ 20°C (Ohm/1000 ft)
Card Reader	13.900

Max. Operating Voltage - Other:

Voltage
300 V RMS

Max. Recommended Current:

Description	Current
Door Contact	2.8 Amps
Rex/Spare	2.8 Amps
Card Reader	2.0 Amps
Lock Power	4.0 Amps

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Physical Characteristics (Overall)

Conductor

Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
Unjacketed

Overall Cable

Overall Nominal Diameter: 0.425 in.

Mechanical Characteristics (Overall)

Bulk Cable Weight: 94 lbs/1000 ft.

Max. Recommended Pulling Tension: 217 lbs.

Min. Bend Radius (Install)/Minor Axis: 4.250 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMR

CEC/C(UL) Specification: CMG

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 04/01/2005

EU Directive 2002/96/EC (WEEE): Yes

EU Directive 2003/11/EC (BFR): Yes

CA Prop 65 (CJ for Wire & Cable): Yes

MII Order #39 (China RoHS): Yes

Flame Test

UL Flame Test: UL1666 Vertical Shaft

Plenum/Non-Plenum

Plenum (Y/N): No

Plenum Number: 658GMS

Notes (Overall)

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. US PATENT 7049523.

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
558GMS 0001000	1,000 FT	103.000 LB	NONE	C	4C18 + 4C22 + 6C22 SHLD + 4C22

Notes:
C = CRATE REEL PUT-UP.

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