

658GMS Composite - Composite - Access Control Composite

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, Access Control Doors, Lock Power, Card Reader, Door Contract, REX/Spare

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
4	18	7x26	BC - Bare Copper	0.047
6	22	7x30	BC - Bare Copper	0.030

Insulation**Insulation Material:**

Insulation Trade Name	Insulation Material	Dia. (in.)	AWG
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	0.047	22
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	0.064	18

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	Brown	Card Reader 4
17	Blue	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

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Outer Shield Drain Wire AWG:

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

Outer Jacket

Outer Jacket Material:

Outer Jacket Trade Name	Outer Jacket Material
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride

Outer Jacket Diameter:

Component #	Nom. Dia. (in.)
Door Contact	0.147
Rex/Spare	0.147
Lock/Power	0.190
Card Reader	0.179

Outer Jacket Ripcord: Yes

Outer Jacket Color Code Chart:

Color	Description
White	Door Contact
Blue	Rex/Spare
Gray	Lock/Power
Orange	Card Reader

Applicable Specifications and Agency Compliance

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMP

CEC/C(UL) Specification: CMP

Flame Test

UL Flame Test: NFPA 262

Suitability

Suitability - Indoor: Yes

Electrical Characteristics

Nom. Capacitance Conductor to Shield:

Description	Capacitance (pF/ft)
Card Reader	60.000

Nom. Capacitance Conductor to Conductor:

Description	Freq. (MHz)	Capacitance (pF/ft)
Door Contact	1.000	33.000
Rex/Spare	1.000	33.000
Lock Power	1.000	42.000
Card Reader	1.000	33.000

Nom. Conductor DC Resistance:

Description	DCR @ 20°C (Ohm/1000 ft)
Door Contact	16.400
Rex/Spare	16.400
Lock Power	6.500
Card Reader	16.400

Nom. Inner Shield DC Resistance:

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

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Recommended Current:

Description	Current
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Door Contact	2.2 Amps
Rex/Spare	2.2 Amps
Lock Power	4.0 Amps
Card Reader	2.2 Amps

Physical Characteristics (Overall)

Conductor

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
Unjacketed

Overall Cable

Overall Nominal Diameter: 0.401 in.

Mechanical Characteristics (Overall)

Bulk Cable Weight: 100 lbs/1000 ft.

Max. Recommended Pulling Tension: 217 lbs.

Min. Bend Radius (Install)/Minor Axis: 4 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

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

Plenum/Non-Plenum

Plenum (Y/N): Yes

Non-Plenum Number: 558GMS

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. Banana Peel® 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
658GMS 0001000	1,000 FT	101.000 LB	NONE	C	BONDED FILLER COMPOSITE

Notes:

C = CRATE REEL PUT-UP.

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