

ENGLISH MEASUREMENT VERSION

638AFS Composite - Lock Power, Card Reader, Door Contact, REX Applications

Picture Not Available

For more Information please call

1-800-Belden1



Description:

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18 AWG stranded bare copper conductors, Flamarrest® insulation and jackets, no overall jacket, all cables are Beldfoil® shielded, cable jackets are color coded by application, individual jacket is sequentially marked at two foot intervals.

Usage (Overall)	
Suitable Applications:	Access Control
Twisted Pair	
Physical Characteristics Conductor AWG:	
# Pairs AWG Stranding	Conductor Material Dia. (in.)
3 18 7x26	BC - Bare Copper 0.047
Insulation Insulation Material:	
Insulation Trade Name	Insulation Material Dia. (in.)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride 0.064
Twisted Pair Color Cod	e Chart:
Number Color	Description
1 Black and Red	Card Reader 1
2 White and Gree	n Card Reader 2
3 Orange and Bro	wn Card Reader 3
	ne Type Outer Shield Material Coverage (%)
Beldfoil®	Tape Aluminum Foil-Polyester Tape 100.000
Outer Shield Drain Wire	
	Nire Conductor Material nned Copper
Outer Jacket Outer Jacket Material:	
	ne Outer Jacket Material
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride
Outer Jacket Diameter: Nom. Dia. (in.) 0.291	
Outer Jacket Ripcord:	Yes
Outer Jacket Color Cod	e Chart:
NumberColorDescription1OrangeCard R	ption



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NEC/(UL) Specification:	CMP
CEC/C(UL) Specification:	CMP
Flame Test	
UL Flame Test:	NFPA 262
Suitability	
Suitability - Indoor:	Yes
lectrical Characteristics	
Nom. Capacitance Conductor to Shield:	
Capacitance (pF/ft)	
72.000	
Nom. Capacitance Conductor to Conductor:	
Capacitance (pF/ft)	
40.000	
Nom. Conductor DC Resistance:	
DCR @ 20°C (Ohm/1000 ft)	
6.600	
Ind. Pair Nominal Shield DC Resistance @ 20	6.900 Ohm/1000 ft
Deg. C:	
Max. Operating Voltage - UL:	
Voltage	
300 V RMS	
Max. Recommended Current:	
Description Current	
Beeenption Current	

Physical Characteristics

Conductor AWG:

AWG:

# Conductors	AWG	Stranding	Conductor Material	Dia. (in.)
2	18	7x26	BC - Bare Copper	0.047
4	18	7x26	BC - Bare Copper	0.047
4	16	19x30	BC - Bare Copper	0.057

Insulation

Insulation Material:

Insulation Trade Name	Insulation Material	Dia. (in.)	AWG
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	0.064	18
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	0.075	16

Insulation Color Code Chart:

Number	Color	Description
1	Black	Door Contact 1
2	Red	Door Contact 2
3	Black	Rex/Spare 1
4	Red	Rex/Spare 2
5	White	Rex/Spare 3
6	Green	Rex/Spare 4
7	Black	Lock/Power 1
8	Red	Lock/Power 2
9	White	Lock/Power 3
10	Green	Lock/Power 4



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Duter Shi							
AWG O	outer Shi	eld Trade N		Outer Shield Material		Coverage (%)	Description
	eldfoil®			Aluminum Foil-Polyester		100.000	Door Contact
-	eldfoil®			Aluminum Foil-Polyester		100.000	Rex/Spare
	eldfoil®			Aluminum Foli-Polyester	Tape	100.000	Lock/Power
		in Wire A					
•			-	Vire Conductor Material			
Rex/Spa	ontact 2			nned Copper nned Copper			
Lock/Po				nned Copper			
Iter Jack		torial					
Outer Jac		ade Name (Jutor look	at Matarial			
Flamarre				w Smoke Polyvinyl Chlori	de		
Outer Jac							
-	nent # r	lom. Dia. (ir 168					
Rex/Spa).197	_				
Lock/Po		.224	-				
				X			
Outer Jac	•			Yes			
		lor Code C					
		Description Door Contact					
1	vvnite						
2	Blue						
	Gray	Rex/Spare Lock/Power	nd Agen	cy Compliance iental Programs			
3 icable S plicable IEC/(UL)	Gray Specific Stand Specifi	Rex/Spare Lock/Power cations a dards & E cation:	nd Agen	ental Programs CMP			
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Detailed Specifications & Technical Data



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Door Contact	15.900
Rex/Spare	14.400
Lock Power	14.400

Max. Operating Voltage - UL:

Voltage 300 V RMS

Max. Recommended Current:

Description	Current
Door Contact	4 Amps
Rex/Spare	4 Amps
Lock Power	5 Amps

Physical Characteristics (Overall)

Conductor

Outer Jacket Outer Jacket Material:

uter Jacket Material

Outer Jacket Material Unjacketed

Overall Cable

Overall Nominal Diameter:

0.542 in.

Mee	chanical Characteristics (Overall)	
	Bulk Cable Weight:	175 lbs/1000 ft.
	Max. Recommended Pulling Tension:	428 lbs.
	Min. Bend Radius (Install)/Minor Axis:	5 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Prog	grams
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:	538AFS

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
638AFS 0001000	1,000 FT	183.000 LB	NATURAL	С	4C16 + 4C18 + 3P18 + 2C18 SHLD

Notes:



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