Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION

BELDEN
SENDING ALL THE RIGHT SIGNALS

For more Information
please call

1-800-Belden1

RoHS COMPLIANT
ENVIRONMENTALLY FRIENDLY

General Description:

Security & Alarm Cable, Plenum-CMP, 4-22 AWG stranded bare copper conductors with Flamarrest® insulation, Beldfoil® shield and Flamarrest® jacket with ripcord

Physical Characteristics (Overall)

Conductor
AWG:

# Conductors	AWG	Stranding	Conductor Material
4	22	7	BC - Bare Copper

Total Number of Conductors: 4

Insulation
Insulation Material:

Insulation Trade Name	Insulation Material	Wall Thickness (in.)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	0.009

Outer Shield
Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
24	(7x32)	Tinned Copper

Outer Jacket
Outer Jacket Material:

Outer Jacket Trade Name	Outer Jacket Material	Nom. Wall Thickness (in.)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	.015

Outer Jacket Ripcord: Yes

Overall Cable
Overall Cabling Color Code Chart:

Color
Black
Red
White
Green

Overall Nominal Diameter: 0.147 in.

Mechanical Characteristics (Overall)

Operating Temperature Range:	0°C To +75°C
Bulk Cable Weight:	17 lbs/1000 ft.
Max. Recommended Pulling Tension:	42 lbs.
Min. Bend Radius/Minor Axis:	1.500 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMP
CEC/C(UL) Specification:	CMP
EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	Yes
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:	NFPA 262
CSA Flame Test:	FT6

Suitability

Suitability - Indoor:	Yes

Plenum/Non-Plenum

Plenum (Y/N):	Yes
Non-Plenum Number:	5502FE

Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
33

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)
59

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
16.2

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
15.3

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Recommended Current:

Description	Current
10C Temperature Rise	2.2 Amps per conductor @ 25°C ambient

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
6502FE 007U1000	1,000 FT	19.000 LB	VIOLET		4 #22 FLRST FS FLRST
6502FE 0071000	1,000 FT	19.000 LB	VIOLET		4 #22 FLRST FS FLRST
6502FE 009U250	250 FT	5.250 LB	WHITE		4 #22 FLRST FS FLRST
6502FE 009Z1000	1,000 FT	22.000 LB	WHITE		4 #22 FLRST FS FLRST

6502FE Multi-Conductor - Commercial Applications

6502FE 010U1000	1,000 FT	19.000 LB	BLACK		4 #22 FLRST FS FLRST
6502FE 010Z1000	1,000 FT	21.000 LB	BLACK		4 #22 FLRST FS FLRST
6502FE 0101000	1,000 FT	19.000 LB	BLACK		4 #22 FLRST FS FLRST
6502FE 877U1000	1,000 FT	19.000 LB	NATURAL		4 #22 FLRST FS FLRST
6502FE 877Z1000	1,000 FT	21.000 LB	NATURAL		4 #22 FLRST FS FLRST
6502FE 8771000	1,000 FT	19.000 LB	NATURAL	C	4 #22 FLRST FS FLRST
6502FE 877500	500 FT	9.500 LB	NATURAL		4 #22 FLRST FS FLRST

Notes:
C = CRATE REEL PUT-UP.

Revision Number: 2   Revision Date: 01-20-2015