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1-800-Belden1



General Description:

Security & Alarm Cable, Plenum-CMP, 6-22 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
6	22	7	BC - Bare Copper

Total Number of Conductors: 6

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
Brown
Blue

Overall Nominal Diameter: 0.175 in.

Mechanical Characteristics (Overall)

Installation Temperature Range:	0°C To +75°C
Operating Temperature Range:	-10°C To +75°C
Bulk Cable Weight:	24.400 lbs/1000 ft.
Max. Recommended Pulling Tension:	60.100 lbs.
Min. Bend Radius/Minor Axis:	1.800 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

ENGLISH MEASUREMENT VERSION

6504FE Multi-Conductor - Commercial Applications

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
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Plenum/Non-Plenum

Plenum (Y/N):	Yes
Non-Plenum Number:	5504FE

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 Amps per conductor @ 25°C ambient

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
6504FE 003U1000	1,000 FT	25.000 LB	ORANGE		6 #22 FLRST FS FLRST
6504FE 0031000	1,000 FT	26.000 LB	ORANGE		6 #22 FLRST FS FLRST
6504FE 004U1000	1,000 FT	26.000 LB	YELLOW		6 #22 FLRST FS FLRST
6504FE 0041000	1,000 FT	26.000 LB	YELLOW		6 #22 FLRST FS FLRST
6504FE 0071000	1,000 FT	26.000 LB	VIOLET		6 #22 FLRST FS FLRST
6504FE 877C500	500 FT	12.000 LB	NATURAL		6 #22 FLRST FS FLRST
6504FE 877U1000	1,000 FT	26.000 LB	NATURAL		6 #22 FLRST FS FLRST
6504FE 877U250	250 FT	7.250 LB	NATURAL		6 #22 FLRST FS FLRST
6504FE 877U500	500 FT	13.500 LB	NATURAL		6 #22 FLRST FS FLRST
6504FE 8771000	1,000 FT	26.000 LB	NATURAL	C	6 #22 FLRST FS FLRST
6504FE 877500	500 FT	13.500 LB	NATURAL	C	6 #22 FLRST FS FLRST

Notes:

C = CRATE REEL PUT-UP.

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