# **Detailed Specifications & Technical Data**

#### **ENGLISH MEASUREMENT VERSION**



# 6541FE Multi-Conductor - Commercial Applications



For more Information please call

1-800-Belden1



#### **General Description:**

Security & Alarm Cable, Plenum-CMP, 2-22 AWG stranded bare copper pairs with Flamarrest® insulation, Beldfoil® shield and Flamarrest® jacket with ripcord

Usage (Overall)	
Suitable Applications:	Security Systems, Intercom/PA Systems, Sound/Audio Systems, Power Limited Controls
Physical Characteristics (Overall)	
Conductor AWG:	
# Pairs AWG Stranding Conductor Material	
2   22   7x30   BC - Bare Copper	
Total Number of Conductors:	4
Insulation	
Insulation Material:  Insulation Trade Name Insulation Material  Wai	I Thickness (in )
Flamarrest® LS PVC - Low Smoke Polyvinyl Chloride   0.00	I Thickness (in.)
Outer Shield	
Outer Shield Material:	
Outer Shield Trade Name Type Outer Shield Material Cov	erage (%)
Beldfoil® Tape Aluminum Foil-Polyester Tape 100	
Outer Shield Drain Wire AWG:	
AWG Stranding Drain Wire Conductor Material  24   (7x32)   TC - Tinned Copper	
Outer Jacket Outer Jacket Material:	
Outer Jacket Trade Name Outer Jacket Material	lom. Wall Thickness (in.)
Flamarrest® LS PVC - Low Smoke Polyvinyl Chloride	015
Outer Jacket Ripcord:	Yes
Overall Cable	
Overall Nominal Diameter:	0.203 in.
Pair Pair Color Code Chart:	
Number Color	
1 Black & Red	
2 Black & White	
Mechanical Characteristics (Overall)	
Operating Temperature Range:	0°C To +75°C
UL Temperature Rating:	75°C
Bulk Cable Weight:	20.700 lbs/1000 ft.
Max. Recommended Pulling Tension:	41.900 lbs.
Min. Bend Radius/Minor Axis:	2 in.
Applicable Specifications and Agency Compliance (Ov	erall)
Applicable Standards & Environmental Programs	
NEC/(UL) Specification:	CMP
NEC Articles:	800
CEC/C(UL) Specification:	CMP
EU Directive 2011/65/EU (ROHS II):	Yes

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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
C(UL) Flame Test:	FT6
Suitability	
Suitability - Indoor:	Yes
Plenum/Non-Plenum	
Plenum (Y/N):	Yes
Non-Plenum Number:	5541FE

#### **Electrical Characteristics (Overall)**

Nom. Inductance:

Inductance (µH/ft)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

Nom. Capacitance Cond. to Other Conductor & Shield:

59 4

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 13.9

Max. Operating Voltage - UL:

300 V RMS

Max. Recommended Current:

2.2 Amps per conductor @ 25°C (10°C rise in temp)

#### **Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
6541FE 877U1000	1,000 FT	22.000 LB	NATURAL		2 PR #22 FLRST FS FLRST
6541FE 877U500	500 FT	11.500 LB	NATURAL		2 PR #22 FLRST FS FLRST
6541FE 8771000	1,000 FT	23.000 LB	NATURAL	С	2 PR #22 FLRST FS FLRST

Notes:

C = CRATE REEL PUT-UP.

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

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Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).

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# **ПОСТАВКА** ЭЛЕКТРОННЫХ КОМПОНЕНТОВ

Общество с ограниченной ответственностью «МосЧип» ИНН 7719860671 / КПП 771901001 Адрес: 105318, г.Москва, ул.Щербаковская д.3, офис 1107

# Данный компонент на территории Российской Федерации Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

# http://moschip.ru/get-element

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

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Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

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