

6542FE Multi-Conductor - Commercial Applications



For more Information
please call

1-800-Belden1

**Description:**

22 AWG bare copper conductors, Flammarrest® insulation, twisted into pairs, multiple pairs cabled together, overall Beldfoil® shield tape (foil side out) w/drain wire, Flammarrest® jacket with ripcord. Sequential footage marking every two feet.

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
3	22	7x30	BC - Bare Copper

Insulation**Insulation Material:**

Insulation Trade Name	Insulation Material	Wall Thickness (in.)
Flammarrest®	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	TC - Tinned Copper

Outer Jacket**Outer Jacket Material:**

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

Outer Jacket Ripcord:

Yes

Overall Cable**Overall Nominal Diameter:**

0.216 in.

Pair**Pair Color Code Chart:**

Number	Color
1	Black & Red
2	Black & White
3	Black & Green

Mechanical Characteristics (Overall)**Operating Temperature Range:**

0°C To +75°C

UL Temperature Rating:

75°C

Bulk Cable Weight:

26.100 lbs/1000 ft.

6542FE Multi-Conductor - Commercial Applications

Max. Recommended Pulling Tension:	60.100 lbs.
-----------------------------------	-------------

Min. Bend Radius (Install)/Minor Axis:	2.250 in.
--	-----------

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMP
-------------------------	-----

NEC Articles:	800
---------------	-----

CEC/C(UL) Specification:	CMP
--------------------------	-----

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
-------------------	-----

Plenum/Non-Plenum

Plenum (Y/N):	Yes
---------------	-----

Non-Plenum Number:	5542FE
--------------------	--------

Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (μH/ft)

.18

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

33

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)

59.4

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

16.3

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

13.9

Max. Operating Voltage - UL:

Voltage

300 V RMS

Max. Recommended Current:

Current

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

Related Documents:

No related documents are available for this product

6542FE Multi-Conductor - Commercial Applications**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
6542FE 877U1000	1,000 FT	28.000 LB	NATURAL		3 PR #22 FLRST FS FLRST
6542FE 8771000	1,000 FT	29.000 LB	NATURAL		3 PR #22 FLRST FS FLRST

Revision Number: 1 Revision Date: 04-14-2008

© 2012 Belden, Inc.
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.