

6443FE Multi-Conductor - Commercial Applications



For more Information
please call

1-800-Belden1

**Description:**

20 AWG bare copper conductors, Flamarrest® insulation, twisted into pairs, multiple pairs cabled together, overall Beldfoil® shield tape (foil side out) w/drain wire, Flamarrest® 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
4	20	7x28	BC - Bare Copper

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
22	7x30	TC - 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 Nominal Diameter:**

0.269 in.

Pair**Pair Color Code Chart:**

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

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

0°C To +75°C

UL Temperature Rating:

75°C

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Bulk Cable Weight:	47.300 lbs/1000 ft.
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Max. Recommended Pulling Tension:	109.900 lbs.
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Min. Bend Radius (Install)/Minor Axis:	2.700 in.
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Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMP
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NEC Articles:	800
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CEC/C(UL) Specification:	CMP
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EU CE Mark:	Yes
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EU Directive 2000/53/EC (ELV):	Yes
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EU Directive 2002/95/EC (RoHS):	Yes
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EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
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EU Directive 2002/96/EC (WEEE):	Yes
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EU Directive 2003/11/EC (BFR):	Yes
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CA Prop 65 (CJ for Wire & Cable):	Yes
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MII Order #39 (China RoHS):	Yes
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Flame Test

UL Flame Test:	NFPA 262
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C(UL) Flame Test:	FT6
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Plenum/Non-Plenum

Plenum (Y/N):	Yes
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Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (μH/ft)

.16

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

36

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)

64.8

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

10.4

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

9.8

Max. Operating Voltage - UL:

Voltage

300 V RMS

Max. Recommended Current:

Current

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

Related Documents:

No related documents are available for this product

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Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
6443FE 877U1000	1,000 FT	49.000 LB	NATURAL		4 PR #20 FLRST FS FLRST
6443FE 877I1000	1,000 FT	51.000 LB	NATURAL	C	4 PR #20 FLRST FS FLRST

Notes:

C = CRATE REEL PUT-UP.

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