# **Detailed Specifications & Technical Data**

#### METRIC MEASUREMENT VERSION





# 6347FE Multi-Conductor - Commercial Applications

For more Information please call

1-800-Belden1



# **Description:**

18 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
9	18	7x26	BC - Bare Copper

Total Number of Conductors: 18

#### Insulation

#### Insulation Material:

Insulation Trade Name	Insulation Material	Wall Thickness (mm)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	0.229

#### **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	<b>Drain Wire Conductor Material</b>
24	7x32	TC - Tinned Copper

#### **Outer Jacket**

#### **Outer Jacket Material:**

<b>Outer Jacket Trade Name</b>	Outer Jacket Material	Nom. Wall Thickness (mm)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	0.432

Outer Jacket Ripcord: Yes

# **Overall Cable**

Overall Nominal Diameter: 10.744 mm

#### Pair

# Pair Color Code Chart:

Number	Color
1	Black & Red
2	Black & White
3	Black & Green
4	Black & Blue
5	Black & Yellow
6	Black & Brown
7	Black & Orange
8	Red & White

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9 Red & Green

Operating Temperature Range:	0°C To +75°C
UL Temperature Rating:	75°C
Bulk Cable Weight:	200.461 Kg/Km
Max. Recommended Pulling Tension:	1855.790 N
Min. Bend Radius/Minor Axis:	109.220 mm
licable Specifications and Agency	Compliance (Overall)

# 1

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
ame Test	

### Fla

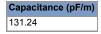
UL Flame Test:	NFPA 262
C(UL) Flame Test:	FT6

#### Plenum/Non-Plenum

Plenum (Y/N): Yes

# **Electrical Characteristics (Overall)**

Nom. Capacitance Conductor to Conductor:



Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m) 236.232

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

Max. Operating Voltage - UL:

Voltage 300 V RMS

Max. Recommended Current:

2.5 Amps per conductor @ 25°C

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# **Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
6347FE 8771000	305 MT	63.503 KG	NATURAL	С	9 PR #18 FLRST FS FLRST

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 07-14-2008

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