

## 6405FE Multi-Conductor - Commercial Applications



For more Information  
please call

1-800-Belden1

**Description:**

20 AWG bare copper conductors, Flamarrest® insulation, conductors cabled, overall Beldfoil® tape shield (foil side out) and drain wire, Flamarrest® jacket with ripcord. Sequential footage marking every two feet.

**Physical Characteristics (Overall)****Conductor****AWG:**

# Conductors	AWG	Stranding	Conductor Material
7	20	7	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 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
Orange

**Overall Nominal Diameter:** 0.196 in.

**Mechanical Characteristics (Overall)**

**Operating Temperature Range:** 0°C To +75°C

**Bulk Cable Weight:** 39.200 lbs/1000 ft.

**Max. Recommended Pulling Tension:** 97.300 lbs.

**Min. Bend Radius (Install)/Minor Axis:** 2 in.

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

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

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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
CSA Flame Test:	FT6

## Plenum/Non-Plenum

Plenum (Y/N):	Yes
Non-Plenum Number:	5405FE

## Electrical Characteristics (Overall)

## Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
36

## Nom. Capacitance Cond. to Other Conductor &amp; Shield:

Capacitance (pF/ft)
64.8

## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
10.2

## Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
10.5

## Max. Operating Voltage - UL:

Voltage
300 V RMS

## Max. Recommended Current:

Current
2.6 Amps per conductor @ 25°C

## Related Documents:

No related documents are available for this product

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
6405FE 8771000	1,000 FT	41.000 LB	NATURAL	C	7 #20 FLRST FS FLRST

## Notes:

C = CRATE REEL PUT-UP.

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

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