

## 6506UE Multi-Conductor - Commercial Applications



For more Information  
please call

1-800-Belden1

**General Description:**

Security & Alarm Cable, Plenum-CMP 8-22 AWG stranded bare copper conductors with Flammarrest® insulation, Flammarrest® jacket with ripcord

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

# Conductors	AWG	Stranding	Conductor Material
8	22	7	BC - Bare Copper

Total Number of Conductors: 8

**Insulation****Insulation Material:**

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

**Outer Shield****Outer Shield Material:**

Outer Shield Material
Unshielded

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

Outer Jacket Trade Name	Outer Jacket Material	Nom. Wall Thickness (mm)
Flammarrest®	LS PVC - Low Smoke Polyvinyl Chloride	0.381

Outer Jacket Ripcord: Yes

**Overall Cable****Overall Cabling Lay Length & Direction:**

Length (mm)
76.1997

**Overall Cabling Color Code Chart:**

Color
Black
Red
White
Green
Brown
Blue
Orange
Yellow

Overall Nominal Diameter: 4.724 mm

**Mechanical Characteristics (Overall)**

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

Bulk Cable Weight: 42.711 Kg/Km

Max. Recommended Pulling Tension: 323.829 N

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Min. Bend Radius/Minor Axis: 45.720 mm

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; Environmental Programs

NEC/UL Specification: CMP

CEC/C(UL) Specification: CMP

EU Directive 2011/65/EU (ROHS II): Yes

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 &amp; 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: 5506UE

## Electrical Characteristics (Overall)

## Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)

82.025

## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

53.1522

## Max. Operating Voltage - UL:

Voltage

300 V RMS

## Max. Recommended Current:

Current

2 Amps per conductor @ 25°C

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
6506UE 877U1000	1,000 FT	30.000 LB	NATURAL		8 #22 FLRST FLRST
6506UE 877U500	500 FT	15.500 LB	NATURAL		8 #22 FLRST FLRST
6506UE 877Z1000	1,000 FT	32.000 LB	NATURAL		8 #22 FLRST FLRST
6506UE 8771000	1,000 FT	31.000 LB	NATURAL	C	8 #22 FLRST FLRST

## Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 03-13-2013

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