

# Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



## 6306UE Multi-Conductor - Commercial Applications



For more Information  
please call

1-800-Belden1



### General Description:

Security & Alarm Cable, Plenum-CMP 8-18 AWG stranded bare copper conductors with Flamarrest® insulation, Flamarrest® jacket with ripcord

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
8	18	7	BC - Bare Copper

Total Number of Conductors: 8

#### Insulation

Insulation Material:

Insulation Trade Name	Insulation Material	Wall Thickness (in.)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	0.008

#### Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

#### 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 Lay Length & Direction:

Length (in.)
4

Overall Cabling Color Code Chart:

Color
Black
Red
White
Green
Brown
Blue
Orange
Yellow

Overall Nominal Diameter: 0.235 in.

### Mechanical Characteristics (Overall)

Operating Temperature Range:	0°C To +75°C
Bulk Cable Weight:	57.300 lbs/1000 ft.
Max. Recommended Pulling Tension:	179.200 lbs.
Min. Bend Radius/Minor Axis:	2.375 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMP
CEC/C(UL) Specification:	CMP
EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	Yes

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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:	5306UE

### Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)  
34.000

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)  
6.5

Max. Operating Voltage - UL:

Voltage  
300 V RMS

Max. Recommended Current:

Current  
3.5 Amps per conductor @ 25°C

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
6306UE 8771000	1,000 FT	59.000 LB	NATURAL	C	8 #18 FLRST FLRST
6306UE 877500	500 FT	29.500 LB	NATURAL		8 #18 FLRST FLRST

#### Notes:

C = CRATE REEL PUT-UP.

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