

# Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION

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## 6502UE Multi-Conductor - Commercial Applications



For more Information  
please call

1-800-Belden1



### General Description:

Security & Alarm Cable, Plenum-CMP 4-22 AWG stranded bare copper conductors with Flamarrest® insulation, Flamarrest® jacket with ripcord

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
4	22	7	BC - Bare Copper

Total Number of Conductors: 4

#### Insulation

Insulation Material:

Insulation Trade Name	Insulation Material	Wall Thickness (mm)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	0.203

#### 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)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	0.381

Outer Jacket Ripcord: Yes

#### Overall Cable

Overall Cabling Lay Length & Direction:

Length (mm)	Twists (twist/m)
76.1997	13.124

Overall Cabling Color Code Chart:

Color
Black
Red
White
Green

Overall Nominal Diameter: 3.531 mm

### Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 22.323 Kg/Km

Max. Recommended Pulling Tension: 161.914 N

Min. Bend Radius/Minor Axis: 35.560 mm

### 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

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 04/01/2005

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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
C(UL) Flame Test:	FT6

### Plenum/Non-Plenum

Plenum (Y/N):	Yes
Non-Plenum Number:	5502UE

### Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
88.587

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
52.8241

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Recommended Current:

Current
2.2 Amps per conductor @ 25°C

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
6502UE 877C500	152 MT	3.402 KG	NATURAL		4 #22 FLRST FLRST
6502UE 877U1000	305 MT	7.258 KG	NATURAL		4 #22 FLRST FLRST
6502UE 877U500	152 MT	3.856 KG	NATURAL		4 #22 FLRST FLRST
6502UE 8771000	305 MT	7.258 KG	NATURAL	C	4 #22 FLRST FLRST
6502UE 877500	152 MT	3.629 KG	NATURAL		4 #22 FLRST FLRST

#### Notes:

C = CRATE REEL PUT-UP.

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