

6302UE Multi-Conductor - Commercial Applications



For more Information
please call

1-800-Belden1

**General Description:**

Security & Alarm Cable, Plenum-CMP 4-18 AWG stranded bare copper conductors with Flammarrest® insulation, Flammarrest® jacket with ripcord

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

# Conductors	AWG	Stranding	Conductor Material
4	18	7	BC - Bare Copper

Total Number of Conductors: 4

Insulation**Insulation Material:**

Insulation Trade Name	Insulation Material	Wall Thickness (mm)
Flammarrest®	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)
Flammarrest®	LS PVC - Low Smoke Polyvinyl Chloride	0.381

Outer Jacket Ripcord: Yes

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

Length (mm)	Direction	Twists (twist/m)
88.900	Left Hand	11.155

Overall Cabling Color Code Chart:

Color
Black
Red
White
Green

Overall Nominal Diameter: 4.572 mm

Mechanical Characteristics (Overall)

Installation Temperature Range:	0°C To +75°C
Operating Temperature Range:	-10°C To +75°C
Bulk Cable Weight:	49.111 Kg/Km
Max. Recommended Pulling Tension:	398.559 N
Min. Bend Radius/Minor Axis:	45.720 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
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

Suitability

Suitability - Indoor:	Yes
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Plenum/Non-Plenum

Plenum (Y/N):	Yes
Non-Plenum Number:	5302UE

Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
111.554

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
21.3265

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Recommended Current:

Description	Current
10C Temperature Rise	4 Amps per conductor @ 25°C ambient

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
6302UE 877U1000	305 MT	14.515 KG	NATURAL		4 #18 FLRST FLRST
6302UE 877U500	152 MT	7.484 KG	NATURAL		4 #18 FLRST FLRST
6302UE 8771000	305 MT	14.515 KG	NATURAL	C	4 #18 FLRST FLRST
6302UE 877500	152 MT	7.484 KG	NATURAL		4 #18 FLRST FLRST

Notes:

C = CRATE REEL PUT-UP.

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