



**Product:** [6302UE](#)

Security & Sound, #18-4c, BC, CMP

## Product Description

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

## Technical Specifications

### Product Overview

Suitable Applications:	Security System, Intercom/PA, Audio/Speaker, Power-Limited Controls
------------------------	---

### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	No. of Conductors
18	7x26	BC - Bare Copper	4

Conductor Count:	4
------------------	---

#### Insulation

Material	Material Trade Name	Nominal Wall Thickness
PVC - Polyvinyl Chloride	Flamarrest®	0.008 in

#### Color Chart

Color
Black
Red
White
Green

#### Outer Shield Material

Material
No Shield

#### Outer Jacket Material

Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	Flamarrest®	0.18 in	0.015 in	Yes

## Construction and Dimensions

#### Cabling

Lay Direction	Twists
Left Hand	3.4 twist/ft

## Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR
6.5 Ohm/1000ft

#### Capacitance

<b>Nom. Capacitance Conductor to Conductor</b>
34 pF/ft

#### Current

Element	Max. Recommended Current [A]
10C Temperature Rise	4 Amps per Conductor at 25°C (10°C Temperature Rise)

#### Voltage

<b>UL Voltage Rating</b>
300 V RMS

#### Temperature Range

Installation Temp Range:	0°C To +75°C
Operating Temp Range:	-10°C To +75°C

#### Mechanical Characteristics

Bulk Cable Weight:	33 lbs/1000ft
Max. Pull Tension:	89.6 lbs
Min Bend Radius/Minor Axis:	1.8 in

#### Standards

NEC Articles:	Article 800
NEC/(UL) Compliance:	CMP
CEC/C(UL) Compliance:	CMP
CPR Euroclass:	Eca

#### Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
MII Order #39 (China RoHS):	Yes

#### Suitability

Suitability - Indoor:	Yes
-----------------------	-----

#### Flammability, LSOH, Toxicity Testing

UL Flammability:	NFPA 262 Plenum Flame Test
CSA Flammability:	FT6
IEC Flammability:	IEC 60332-1-2
UL voltage rating:	300 V RMS

#### Plenum/Non-Plenum

Plenum (Y/N):	Yes
---------------	-----

#### Part Number

Non-Plenum Number:	5302UE
--------------------	--------

#### Variants

Item #	Color	UPC
6302UE 8771000	Natural	612825340232
6302UE 877500	Natural	612825175391
6302UE 877C250	Natural	
6302UE 877U1000	Natural	612825175377
6302UE 877U500	Natural	612825175384

Footnote:	C - CRATE REEL PUT-UP.
-----------	------------------------

## History

Update and Revision:	Revision Number: 0.226 Revision Date: 02-16-2021
----------------------	--

© 2021 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.