



For more Information  
please call

1-800-Belden1



### General Description:

Security & Alarm Cable, Plenum-CMP, 9-20 AWG stranded bare copper conductors with Flamarrest® insulation, Beldfoil® shield and Flamarrest® jacket with ripcord

### Physical Characteristics (Overall)

#### Conductor

AWG:

| # Conductors | AWG | Stranding | Conductor Material |
|--------------|-----|-----------|--------------------|
| 9            | 20  | 7         | BC - Bare Copper   |

Total Number of Conductors: 9

#### Insulation

Insulation Material:

| Insulation Trade Name | Insulation Material                   | Wall Thickness (in.) |
|-----------------------|---------------------------------------|----------------------|
| Flamarrest®           | LS PVC - Low Smoke Polyvinyl Chloride | 0.009                |

#### Outer Shield

Outer Shield Material:

| Outer Shield Trade Name | Type | Outer Shield Material        | Coverage (%) |
|-------------------------|------|------------------------------|--------------|
| Beldfoil®               | Tape | Aluminum Foil-Polyester Tape | 100          |

Outer Shield Drain Wire AWG:

| AWG | Stranding | Drain Wire Conductor Material |
|-----|-----------|-------------------------------|
| 22  | 7x30      | Tinned Copper                 |

#### 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 Color Code Chart:

| Color  |
|--------|
| Black  |
| Red    |
| White  |
| Green  |
| Brown  |
| Blue   |
| Orange |
| Yellow |
| Purple |

Overall Nominal Diameter: 0.229 in.

### Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 48.800 lbs/1000 ft.

Max. Recommended Pulling Tension: 122.500 lbs.

Min. Bend Radius/Minor Axis: 2.250 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

## 6407FE Multi-Conductor - Commercial Applications

|                                       |            |
|---------------------------------------|------------|
| 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        |
| MIL 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: | 5407FE |

### Electrical Characteristics (Overall)

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

36

#### Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)

64.8

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

10.2

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

15.200

#### Max. Operating Voltage - UL:

Voltage

300 V RMS

#### Max. Recommended Current:

Current

2.6 Amps per conductor @ 25°C

### Put Ups and Colors:

| Item #         | Putup    | Ship Weight | Color   | Notes | Item Desc            |
|----------------|----------|-------------|---------|-------|----------------------|
| 6407FE 8771000 | 1,000 FT | 53.000 LB   | NATURAL |       | 9 #20 FLRST FS FLRST |

Revision Number: 2    Revision Date: 01-20-2015

© 2017 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 herein 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 "AS IS" 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 EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure 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. This 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.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Multi-Conductor Cables](#) category:*

*Click to view products by [Belden](#) manufacturer:*

Other Similar products are found below :

[89182-010-1000](#) [89705-008-500](#) [6000FE-877-1000](#) [CS2885-000](#) [M27500-20SP2S23](#) [6300FE-877-U1000](#) [6309UE-877-1000](#) [M3905-BK005](#)  
[6502FE 8771000](#) [6541PA-008-U1000](#) [CV6807-000](#) [CW9530-000](#) [CX6543-000](#) [CXA-0066-20-4-9CS2973](#) [CXA-0078-16-1-9CS2405](#) [CXA-](#)  
[0078-22-4-9CS2405](#) [CXA-0078-24-4-9CS2405](#) [CXA-0140-16-6/9-9CS2405](#) [CY0660-000](#) [720451-000](#) [752687-000](#) [768146-000](#) [773159-000](#)  
[82841-877-5000](#) [83318E-009-500](#) [8348-060-500](#) [83559-002-1000](#) [83653-002-5000](#) [83659-002-1000](#) [83709-002-1000](#) [8404-060-500](#) [8469](#)  
[060100](#) [858171-000](#) [8628-060-500](#) [868361-001](#) [8730-060-1000](#) [8737-060-U1000](#) [8747-060-100](#) [8747-060-1000](#) [8769-060-1000](#) [8775-060-](#)  
[500](#) [8780-060-1000](#) [8782-001-U1000](#) [88444-002-1000](#) [9159-060-500](#) [939870-000](#) [9423 060U500](#) [9444 060U1000](#) [9497 0001000](#) [9515-060-](#)  
[1000](#)