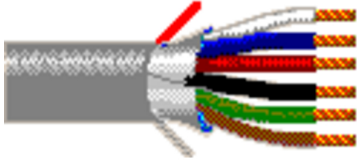


Part Number: 6304FE



Security & Sound, #18-6c, BC, Shielded, CMP

Product Description

Security & Sound Cable, Plenum-CMP, 6-18 AWG stranded bare copper conductors with Flamarrest® insulation, Beldfoil® shield and Flamarrest® jacket with ripcord

Technical Specifications

Product Overview

| | |
|------------------------|--|
| Suitable Applications: | Security Systems, Intercom/PA Systems, Sound/Audio Systems, Power Limited Controls |
|------------------------|--|

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | No. of Conductors |
|-----|-----------|------------------|-------------------|
| 18 | 7x26 | BC - Bare Copper | 6 |

| | |
|------------------|--------|
| Conductor Count: | 6 |
| Conductor Size: | 18 AWG |

Insulation

| Material | Material Trade Name | Nominal Wall Thickness |
|---------------------------------------|---------------------|------------------------|
| LS PVC - Low Smoke Polyvinyl Chloride | Flamarrest® | 0.009 in |

Color Chart

| Number | Color |
|--------|-------|
| 1 | Black |
| 2 | Red |
| 3 | White |
| 4 | Green |
| 5 | Brown |
| 6 | Blue |

Outer Shield Material

| Type | Material | Material Trade Name | Coverage [%] | Drainwire Material | Drainwire AWG | Drainwire Construction n x D |
|------|--------------------|---------------------|--------------|--------------------|---------------|------------------------------|
| Tape | Aluminum/Polyester | Beldfoil® | 100 % | TC - Tinned Copper | 24 | Solid |

Outer Jacket Material

| Material | Material Trade Name | Nominal Diameter | Nominal Wall Thickness | Ripcord |
|---------------------------------------|---------------------|------------------|------------------------|---------|
| LS PVC - Low Smoke Polyvinyl Chloride | Flamarrest® | 0.226 in | 0.015 in | Yes |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR | Nominal Outer Shield DCR |
|-----------------------|--------------------------|
| 6.5 Ohm/1000ft | 14.4 Ohm/1000ft |

Capacitance

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Other Conductor to Shield |
|---|---|
| 42 pF/ft | 76 pF/ft |

| | |
|------------|---------------------------|
| Shielding: | Foil(s) or Copper Tape(s) |
|------------|---------------------------|

Current

| Element | Max. Recommended Current [A] |
|----------------------|------------------------------|
| 10C Temperature Rise | Per conductor @ 25°C: 3.5 A |

Voltage

| UL Voltage Rating |
|-------------------|
| 300 V RMS |

Temperature Range

| | |
|-----------------------|--------------|
| UL Temp Rating: | 75°C |
| Operating Temp Range: | 0°C To +75°C |

Mechanical Characteristics

| | |
|----------------------------------|-----------------|
| Bulk Cable Weight: | 48.3 lbs/1000ft |
| Max Recommended Pulling Tension: | 148.4 lbs |
| Min Bend Radius/Minor Axis: | 2.25 in |

Standards

| | |
|--------------------------|-----|
| NEC Articles: | 800 |
| NEC/(UL) Specification: | CMP |
| CEC/C(UL) Specification: | 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 |
| CA Prop 65 (CJ for Wire & Cable): | Yes |
| MII Order #39 (China RoHS): | Yes |

Suitability

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

Flammability, LS0H, Toxicity Testing

| | |
|--------------------|------------------------------------|
| UL Flammability: | NFPA 262 Plenum Flame Test (UL910) |
| UL voltage rating: | 300 V RMS |

Plenum/Non-Plenum

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

Part Number

| | |
|--------------------|--------|
| Non-Plenum Number: | 5304FE |
|--------------------|--------|

Variants

| Item # | Color | Footnote |
|----------------|---------|----------|
| 6304FE 8771000 | Natural | C |
| 6304FE 877C250 | Natural | |
| 6304FE 877U500 | Natural | |
| 6304FE 0071000 | Violet | |

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

© 2018 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.