



Product: [6524UL](#)

Fire Alarm, #22-6c BC, FPLP

Product Description

Fire Alarm Cable, Plenum-FPLP,6-22 AWG solid bare copper conductors with Flamarrest® insulation, Flamarrest® jacket with ripcord

Technical Specifications

Product Overview

| | |
|------------------------|---|
| Suitable Applications: | Fire Alarm, Monitor/Detection, Circuits: Audio, Control, Initiating, Notification |
|------------------------|---|

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | No. of Conductors |
|-----|-----------|------------------|-------------------|
| 22 | Solid | BC - Bare Copper | 6 |

| | |
|------------------|---|
| Conductor Count: | 6 |
|------------------|---|

Insulation

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

Color Chart

| Number | Color |
|--------|--------|
| 1 | Black |
| 2 | Red |
| 3 | Brown |
| 4 | Blue |
| 5 | Orange |
| 6 | Yellow |

Outer Shield

| Material |
|-----------|
| No Shield |

Outer Jacket

| Material | Material Trade Name | Nominal Diameter | Nominal Wall Thickness | Ripcord |
|--------------------------|---------------------|------------------|------------------------|---------|
| PVC - Polyvinyl Chloride | Flamarrest® | 0.162 in | 0.015 in | Yes |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR |
|-----------------------|
| 15.7 Ohm/1000ft |

Capacitance

| Nom. Capacitance Conductor to Conductor |
|---|
| 25 pF/ft |

Current

Max. Recommended Current [A]

2 Amps per Conductor at 25°C

Voltage**UL Voltage Rating**

300 V RMS

Temperature Range

UL Temp Rating: 75°C

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

Mechanical Characteristics

Bulk Cable Weight: 20.8 lbs/1000ft

Max. Pull Tension: 46.8 lbs

Min. Bend Radius/Minor Axis: 1.6 in

Standards

NEC Articles: Article 760

NEC/(UL) Compliance: FPLP

Other Specification: California State Fire Marshall

Applicable Environmental and Other Programs

EU Directive Compliance: EU Directive 2003/11/EC (BFR)

EU CE Mark: Yes

MII Order #39 (China RoHS): 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): Yes

Related Part Numbers

Non-Plenum Number: 5524UL

Variants

| Item # | Color | UPC |
|----------------|-------|--------------|
| 6524UL 002C500 | Red | 612825178194 |

History

Update and Revision: Revision Number: 0.297 Revision Date: 05-05-2023

© 2023 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.