



Product: [6220UL](#)

Fire Alarm, #16-2c BC, FPLP

Product Description

Fire Alarm Cable, Plenum-FPLP, 2-16 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 |
|------------------------|-----------------------------------------------------------------------------------|

Construction Details

Conductor

| Element      | No. of Elements | Size   | Stranding | Material         |
|--------------|-----------------|--------|-----------|------------------|
| Conductor(s) | 2               | 16 AWG | Solid     | BC - Bare Copper |

Insulation

| Element      | Material                 | Nom. Thickness     | Nom. Insulation Diameter | Color Code |
|--------------|--------------------------|--------------------|--------------------------|------------|
| Conductor(s) | PVC - Polyvinyl Chloride | 0.008 in (0.20 mm) | 0.067 in (1.7 mm)        | Black, Red |

Outer Jacket

| Material                 | Nom. Thickness     | Nom. Diameter      | Ripcord |
|--------------------------|--------------------|--------------------|---------|
| PVC - Polyvinyl Chloride | 0.015 in (0.38 mm) | 0.166 in (4.22 mm) | Yes     |

|                                   |                    |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.166 in (4.22 mm) |
|-----------------------------------|--------------------|

Electrical Characteristics

Electricals

| Element      | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Max. Current                   |
|--------------|--------------------|-------------------------------|--------------------------------|
| Conductor(s) | 3.85 Ohm/1000ft    | 37 pF/ft (120 pF/m)           | 14.4 Amps per conductor @ 25°C |

Voltage

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

Mechanical Characteristics

Temperature

| UL Temperature | Operating    |
|----------------|--------------|
| 75°C           | 0°C to +75°C |

Bend Radius

| Stationary Min.   | Installation Min. |
|-------------------|-------------------|
| 1.32 in (33.5 mm) | 1.32 in (33.5 mm) |

|                    |                |
|--------------------|----------------|
| Max. Pull Tension: | 62 lbs (28 kg) |
| Bulk Cable Weight: | 22 lbs/1000ft  |

Standards and Compliance

|                                  |                                                                                                                           |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Environmental Suitability:       | Indoor - Plenum, Indoor                                                                                                   |
| Flammability / Reaction to Fire: | NFPA 262, UL 910 (Plenum)                                                                                                 |
| NEC / UL Compliance:             | Article 760, FPLP                                                                                                         |
| European Directive Compliance:   | EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance:                 | China RoHS II (GB/T 26572-2011)                                                                                           |
| Other Standard Compliance(s):    | California State Fire Marshall                                                                                            |
| Non-Plenum Number:               | 5220UL                                                                                                                    |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.427 Revision Date: 01-20-2023 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item #          | Color  | UPC          | Footnote |
|-----------------|--------|--------------|----------|
| 6220UL D15U1000 | Blue   | 612825174370 |          |
| 6220UL 001U1000 | Brown  |              |          |
| 6220UL 003C500  | Orange | 612825174417 |          |
| 6220UL 003U1000 | Orange | 612825174424 |          |
| 6220UL 0021000  | Red    | 612825174394 | C        |
| 6220UL 002500   | Red    | 612825174400 |          |
| 6220UL 002C500  | Red    |              |          |
| 6220UL 002U1000 | Red    | 612825174387 |          |
| 6220UL 007U1000 | Violet | 612825174455 |          |
| 6220UL 004C500  | Yellow | 612825174431 |          |
| 6220UL 004U1000 | Yellow | 612825174448 |          |

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