



**Product:** [6220UJ](#)

Fire Alarm, #16-2c BC, FPLP

Product Description

Fire Alarm Cable, Plenum-FPLP, 2-16 AWG solid bare copper conductors with FEP insulation, Flamarrest® jacket with ripcord

Technical Specifications

Product Overview

|                        |                                                                                     |
|------------------------|-------------------------------------------------------------------------------------|
| Suitable Applications: | Fire Alarm, Addressable Systems, 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) | FEP - Fluorinated Ethylene Propylene | 0.007 in (0.18 mm) | 0.066 in (1.7 mm)        | Black, Red |

Outer Shield

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

Outer Jacket

| Material                 | Nom. Thickness     | Nom. Diameter | Ripcord |
|--------------------------|--------------------|---------------|---------|
| PVC - Polyvinyl Chloride | 0.015 in (0.38 mm) | 0.162 in      | Yes     |

|                                   |          |
|-----------------------------------|----------|
| Overall Cable Diameter (Nominal): | 0.162 in |
|-----------------------------------|----------|

Electrical Characteristics

Electricals

| Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Max. Current                 |
|--------------------|-------------------------------|------------------------------|
| 4.26 Ohm/1000ft    | 26 pF/ft (85 pF/m)            | 6 Amps per Conductor at 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. |
|-------------------|-------------------|
| 1.28 in (32.5 mm) | 1.28 in           |

|                    |                |
|--------------------|----------------|
| Max. Pull Tension: | 62 lbs (28 kg) |
|--------------------|----------------|

|                    |               |
|--------------------|---------------|
| Bulk Cable Weight: | 22 lbs/1000ft |
|--------------------|---------------|

Standards and Compliance

|                                  |                                                                              |
|----------------------------------|------------------------------------------------------------------------------|
| Environmental Suitability:       | Indoor                                                                       |
| Flammability / Reaction to Fire: | NFPA 262 (UL910)                                                             |
| NEC / UL Compliance:             | Article 760, FPLP                                                            |
| European Directive Compliance:   | EU CE Mark, 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                                               |

Product Notes

|        |                                   |
|--------|-----------------------------------|
| Notes: | Teflon® is a trademark of DuPont. |
|--------|-----------------------------------|

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.305 Revision Date: 05-05-2023 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item #         | Color | UPC          | Footnote |
|----------------|-------|--------------|----------|
| 6220UJ 0021000 | Red   | 612825174363 | C        |

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