

# Fire Alarm Cable

Commercial Applications

Unshielded or Shielded, Plenum-Rated, Power-Limited



## Unshielded or Shielded Multi-conductor FPLP Rated

### Product Description

Bare copper conductors, Flamarrest® insulation, cabled together, Red Flamarrest jacket with rip cord. Shielded version has overall Beldfoil® shield tape (foil side out) and drain wire. Sequential footage marking every two feet.

**Color Code:** See chart below.

### Specifications

|                                  |                |
|----------------------------------|----------------|
| <b>Conductor</b>                 | Bare Copper    |
| <b>Insulation</b>                | Flamarrest     |
| <b>Shield</b> (where applicable) | Beldfoil       |
| <b>Jacket</b>                    | Flamarrest     |
| <b>Jacket Thickness</b>          | .015" (.381mm) |
| <b>Approvals</b>                 | FPLP           |
| NEC                              |                |
| California State Fire Marshall   |                |
| <b>NEC Articles</b>              | 760            |
| <b>Voltage Rating</b>            | 300V           |
| <b>Temperature Rating</b>        | 75°C           |

### Applications

- Fire Protection
- Alarm
- Signal
- Monitor/Detection
- Audio Circuits
- Control Circuits
- Initiating Circuits
- Notification Circuits

### Unshielded



### Shielded



Shorting Fold

### Color Code Chart

| Cond. No. | Color  | Cond. No. | Color     |
|-----------|--------|-----------|-----------|
| 1         | Black  | 6         | Yellow    |
| 2         | Red    | 7         | Purple    |
| 3         | Brown  | 8         | Green     |
| 4         | Blue   | 9         | Red/Black |
| 5         | Orange | 10        | Red/White |

| Part No. | No. of Cond. | Stranding | Standard Lengths |   | Standard Unit Weight |    | Insulation Thickness |    | Nominal OD |    |
|----------|--------------|-----------|------------------|---|----------------------|----|----------------------|----|------------|----|
|          |              |           | Ft.              | m | Lbs.                 | kg | Inch                 | mm | Inch       | mm |

### Unshielded Multi-conductor (NEC FPLP)

| 22 AWG  |    |       |                                  |                                |                              |                            |      |     |      |      |
|---------|----|-------|----------------------------------|--------------------------------|------------------------------|----------------------------|------|-----|------|------|
| 6522UL  | 4  | solid | U-1000<br>1000                   | U-305<br>305                   | 17.0<br>16.0                 | 7.7<br>7.3                 | .009 | .23 | .136 | 3.45 |
| 6524UL  | 6  | solid | C-500<br>U-1000<br>1000          | C-152<br>U-305<br>305          | 10.5<br>22.0<br>22.0         | 4.8<br>10.0<br>10.0        | .009 | .23 | .162 | 4.12 |
| 18 AWG  |    |       |                                  |                                |                              |                            |      |     |      |      |
| 6320UL* | 2  | solid | C-500<br>U-500<br>U-1000<br>1000 | C-152<br>U-152<br>U-305<br>305 | 8.0<br>9.0<br>18.0<br>17.0   | 3.6<br>4.1<br>8.2<br>7.7   | .010 | .25 | .151 | 3.84 |
| 6321UL  | 3  | solid | 1000                             | 305                            | 28.0                         | 12.7                       | .010 | .25 | .160 | 4.06 |
| 6322UL  | 4  | solid | C-250<br>C-500<br>1000           | C-76<br>C-152<br>305           | 7.2<br>14.5<br>31.0          | 3.3<br>6.6<br>14.1         | .010 | .25 | .183 | 4.64 |
| 6324UL  | 6  | solid | U-1000<br>1000                   | U-305<br>305                   | 44.0<br>46.0                 | 20.0<br>20.9               | .010 | .25 | .211 | 5.36 |
| 6326UL  | 8  | solid | 1000                             | 305                            | 63.0                         | 28.6                       | .010 | .25 | .230 | 5.84 |
| 6328UL  | 10 | solid | 1000                             | 305                            | 73.0                         | 33.1                       | .010 | .25 | .272 | 6.91 |
| 16 AWG  |    |       |                                  |                                |                              |                            |      |     |      |      |
| 6220UL* | 2  | solid | C-500<br>500<br>U-1000<br>1000   | C-152<br>152<br>U-305<br>305   | 12.0<br>12.5<br>25.0<br>26.0 | 5.4<br>5.7<br>11.4<br>11.8 | .010 | .25 | .174 | 4.42 |
| 6222UL  | 4  | solid | 500<br>1000                      | 152<br>305                     | 24.5<br>47.0                 | 11.1<br>21.3               | .010 | .25 | .204 | 5.18 |
| 14 AWG  |    |       |                                  |                                |                              |                            |      |     |      |      |
| 6120UL* | 2  | solid | 500<br>1000                      | 152<br>305                     | 19.0<br>38.0                 | 8.6<br>17.3                | .011 | .28 | .205 | 5.21 |
| 6122UL  | 4  | solid | 500<br>1000                      | 152<br>305                     | 35.5<br>70.0                 | 16.1<br>31.8               | .011 | .28 | .241 | 6.12 |
| 12 AWG  |    |       |                                  |                                |                              |                            |      |     |      |      |
| 6020UL  | 2  | solid | 1000                             | 305                            | 59.0                         | 26.8                       | .011 | .28 | .239 | 6.07 |

### Shielded Multi-conductor (NEC FPLP)

| 18 AWG  |   |       |                         |                       |                      |                     |      |     |      |      |
|---------|---|-------|-------------------------|-----------------------|----------------------|---------------------|------|-----|------|------|
| 6320FL* | 2 | solid | C-500<br>U-1000<br>1000 | C-152<br>U-305<br>305 | 10.5<br>22.0<br>22.0 | 4.8<br>10.0<br>10.0 | .010 | .25 | .158 | 4.01 |
| 6322FL  | 4 | solid | 1000                    | 305                   | 36.0                 | 16.4                | .010 | .25 | .183 | 4.65 |
| 16 AWG  |   |       |                         |                       |                      |                     |      |     |      |      |
| 6220FL* | 2 | solid | C-500<br>1000           | C-152<br>305          | 14.5<br>31.0         | 6.6<br>14.1         | .010 | .25 | .181 | 4.60 |
| 6222FL  | 4 | solid | 1000                    | 305                   | 58.0                 | 26.3                | .010 | .25 | .211 | 5.36 |
| 14 AWG  |   |       |                         |                       |                      |                     |      |     |      |      |
| 6120FL* | 2 | solid | 500<br>1000             | 152<br>305            | 23.5<br>45.0         | 10.7<br>20.4        | .011 | .28 | .209 | 5.31 |
| 6122FL  | 4 | solid | 500<br>1000             | 152<br>305            | 42.0<br>77.0         | 19.1<br>35.0        | .011 | .28 | .245 | 6.22 |
| 12 AWG  |   |       |                         |                       |                      |                     |      |     |      |      |
| 6020FL  | 2 | solid | 500<br>1000             | 152<br>305            | 30.5<br>61.0         | 13.9<br>27.7        | .011 | .28 | .243 | 6.17 |

\*Also available in other jacket colors. Consult [www.belden.com](http://www.belden.com).



For more information, contact Belden Technical Support: 1-800-BELDEN-1 • [www.belden.com](http://www.belden.com)

Belden114@cablecon.kr / 0707-434-7704 / Fax. 02-744-0909 / [www.CableCon.co.kr](http://www.CableCon.co.kr)

20 • New Generation® Cables