

# Multi-Conductor, Shielded, Non-Plenum

## NEC Type FPLR

### Product Construction:

#### Conductor:

- 22 thru 12 AWG fully annealed solid bare copper per ASTM B-3

#### Insulation:

- Premium-grade, color-coded S-R PVC
- Color code: See chart below

#### Shield:

- Overall Flexfoil® polyester supported aluminum foil
- Stranded tinned copper drain wire

#### Jacket:

- Premium-grade, red PVC
- Temperature range: -20°C to +75°C
- Sequential footage markings to facilitate installation
- Includes ripcord

#### Applications:

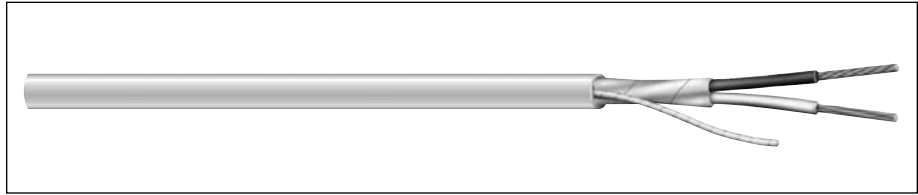
- Wiring of fire alarms
- Smoke alarms
- Voice communications
- Burglar alarms
- Fire protective circuits
- Suggested voltage rating: 300 volts

#### Compliances:

- NEC Article 760 Type FPLR (UL: 75°C, 300V)
- California State Fire Marshall Approved
- RoHS Compliant Directive 2002/95/EC
- Designed to meet UL 1666 Flame Test

#### Packaging:

- Please contact Customer Service for packaging and color options



| CATALOG NUMBER | NO. OF COND. | AWG SIZE | COND. STRAND | NOM. INSULATION THICKNESS |    | NOM. JACKET WALL |    | NOMINAL O.D. |    |
|----------------|--------------|----------|--------------|---------------------------|----|------------------|----|--------------|----|
|                |              |          |              | INCHES                    | mm | INCHES           | mm | INCHES       | mm |

#### 22 AWG CONDUCTORS

|        |   |    |       |       |      |       |      |       |      |
|--------|---|----|-------|-------|------|-------|------|-------|------|
| E2482S | 2 | 22 | Solid | 0.010 | 0.25 | 0.015 | 0.38 | 0.126 | 3.20 |
| E2484S | 4 | 22 | Solid | 0.010 | 0.25 | 0.015 | 0.38 | 0.145 | 3.68 |

#### 18 AWG CONDUCTORS

|        |   |    |       |       |      |       |      |       |      |
|--------|---|----|-------|-------|------|-------|------|-------|------|
| E2502S | 2 | 18 | Solid | 0.010 | 0.25 | 0.015 | 0.38 | 0.158 | 4.01 |
| E2503S | 3 | 18 | Solid | 0.010 | 0.25 | 0.015 | 0.38 | 0.165 | 4.19 |
| E2504S | 4 | 18 | Solid | 0.010 | 0.25 | 0.015 | 0.38 | 0.183 | 4.65 |
| E2506S | 6 | 18 | Solid | 0.010 | 0.25 | 0.015 | 0.38 | 0.216 | 5.49 |
| E2508S | 8 | 18 | Solid | 0.010 | 0.25 | 0.015 | 0.38 | 0.235 | 5.97 |

#### 16 AWG CONDUCTORS

|        |   |    |       |       |      |       |      |       |      |
|--------|---|----|-------|-------|------|-------|------|-------|------|
| E2522S | 2 | 16 | Solid | 0.010 | 0.25 | 0.015 | 0.38 | 0.180 | 4.57 |
| E2524S | 4 | 16 | Solid | 0.010 | 0.25 | 0.015 | 0.38 | 0.210 | 5.33 |

#### 14 AWG CONDUCTORS

|        |   |    |       |       |      |       |      |       |      |
|--------|---|----|-------|-------|------|-------|------|-------|------|
| E2532S | 2 | 14 | Solid | 0.013 | 0.33 | 0.015 | 0.38 | 0.218 | 5.54 |
| E2534S | 4 | 14 | Solid | 0.013 | 0.33 | 0.015 | 0.38 | 0.253 | 6.43 |

#### 12 AWG CONDUCTORS

|        |   |    |       |       |      |       |      |       |      |
|--------|---|----|-------|-------|------|-------|------|-------|------|
| E2542S | 2 | 12 | Solid | 0.013 | 0.33 | 0.015 | 0.38 | 0.252 | 6.40 |
| E2544S | 4 | 12 | Solid | 0.013 | 0.33 | 0.015 | 0.38 | 0.293 | 7.44 |

#### Color Code Chart

| NO. OF COND. | COLOR  |
|--------------|--------|
| 1            | Black  |
| 2            | Red    |
| 3            | Brown  |
| 4            | Blue   |
| 5            | Orange |
| 6            | Yellow |
| 7            | Violet |
| 8            | Gray   |