



## **FIRE RESISTANT CABLES**

**BRAND: FRONTIER**



**LISTED  
E521124**



**FIRE PROTECTION SERVICES GLOBALLY**

**WE DELIVER ON OUR PROMISES**

UK Office: 85 Great Portland street, First floor, London, W 1 W 7 L T, United Kingdom, Tel +447708 000050

[micheal@frontierpumps.com](mailto:micheal@frontierpumps.com)

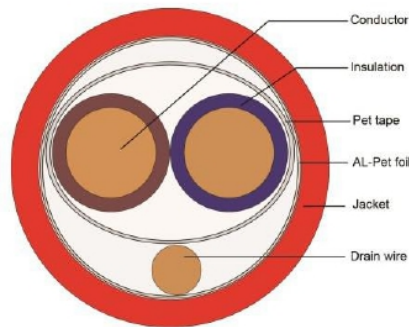
[mikefrontiersafety@gmail.com](mailto:mikefrontiersafety@gmail.com)

[www.frontierpumps.com](http://www.frontierpumps.com)

## FIRE RESISTANT CABLES (2C x 1.0 sq.mm)



Fire Alarm Cable Shielded Series, Model : FPL, FPLR



### Application

Fire Protective Signaling Circuits, Smoke detectors, Strobes/Sirens, Pull stations Voice communications, Burglar alarms, Audio, control, initiating & notification circuits, Microprocessor/Addressable Controlled Systems.

### Standards

UL Standard: UL 13 & UL 1424 & UL 444  
Flame Rating: UL 1666 Riser c(UL) FT4  
RoHS: Compliant Directive 2011/65/EU

### Physical Structure

|      |                            |  |              |
|------|----------------------------|--|--------------|
| 1.1  | Conductor Diameter         | 1.12±0.003mm                           |              |
| 1.2  | Conductor Material         | Solid Bare Copper, Wires               |              |
| 1.3  | Insulation Diameter        | PVC, 1.92±0.05mm                       |              |
| 1.4  | Insulation Material Colour | Brown & Blue                           |              |
| 1.5  | Drain Wire                 | No.Strands                             | 1            |
|      |                            | Strand Size                            | 0.80±0.003mm |
| 1.6  | Foil Shield Coverage       | 115% Polyester Foil, 1x20x0.025mm      |              |
| 1.7  | Drain Wire Material        | Tinned copper wire                     |              |
| 1.8  | Foil Shield Coverage       | 100% Single Aluminum Foil, 1x20x0.35mm |              |
| 1.9  | Jacket Colour              | PVC Red RAL3000<br>or as request       |              |
| 1.10 | Jacket Thickness           | ≥0.85mm                                |              |
| 1.11 | Overall Diameter           | 5.80±0.20mm                            |              |

**FIRE PROTECTION SERVICES GLOBALLY**

**WE DELIVER ON OUR PROMISES**

UK Office: 85 Great Portland street, First floor, London, W1W 7LT, United Kingdom, Tel +447708 000050



## Mechanical Properties

|                              |               |
|------------------------------|---------------|
| Bend radius                  | 8 x D         |
| Operating temperature range: | -20°C to 75°C |

## Electrical Properties

at 20°C

|                      |      |       |
|----------------------|------|-------|
| Conductor Resistance | Ω/km | ≤21.4 |
|----------------------|------|-------|

## Fire Rating

PVC: UL 1666

**FIRE PROTECTION SERVICES GLOBALLY**

**WE DELIVER ON OUR PROMISES**

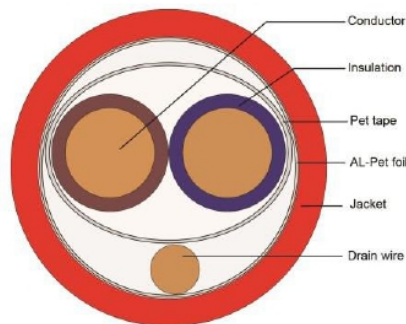
UK Office: 85 Great Portland street, First floor, London, W 1 W 7 L T, United Kingdom, Tel +447708 000050

## FIRE RESISTANT CABLES

### (2C x 1.5 sq.mm)



Fire Alarm Cable Shielded Series, Model : FPL, FPLR



### Application

Fire Protective Signaling Circuits, Smoke detectors, Strobes/Sirens, Pull stations Voice communications, Burglar alarms, Audio, control, initiating & notification circuits, Microprocessor/Addressable Controlled Systems.

### Standards

UL Standard: UL 13 & UL 1424 & UL 444  
Flame Rating: UL 1666 Riser c(UL) FT4  
RoHS: Compliant Directive 2011/65/EU

### Physical Structure

|      |                            |  |              |
|------|----------------------------|--|--------------|
| 1.1  | Conductor Diameter         | 1.37±0.003mm                           |              |
| 1.2  | Conductor Material         | Solid Bare Copper, Wires               |              |
| 1.3  | Insulation Diameter        | PVC, 2.35±0.05mm                       |              |
| 1.4  | Insulation Material Colour | Brown & Blue                           |              |
| 1.5  | Drain Wire                 | No.Strands                             | 1            |
|      |                            | Strand Size                            | 0.80±0.003mm |
| 1.6  | Foil Shield Coverage       | 115% Polyester Foil, 1x20x0.025mm      |              |
| 1.7  | Drain Wire Material        | Tinned copper wire                     |              |
| 1.8  | Foil Shield Coverage       | 100% Single Aluminum Foil, 1x20x0.35mm |              |
| 1.9  | Jacket Colour              | PVC Red RAL3000<br>or as request       |              |
| 1.10 | Jacket Thickness           | ≥0.85mm                                |              |
| 1.11 | Overall Diameter           | 6.50±0.20mm                            |              |

**FIRE PROTECTION SERVICES GLOBALLY**

**WE DELIVER ON OUR PROMISES**

UK Office: 85 Great Portland street, First floor, London, W1W 7LT, United Kingdom, Tel +447708 000050



## Mechanical Properties

|                              |               |
|------------------------------|---------------|
| Bend radius                  | 8 x D         |
| Operating temperature range: | -20°C to 75°C |

## Electrical Properties

at 20°C

|                      |                    |             |
|----------------------|--------------------|-------------|
| Conductor Resistance | $\Omega/\text{km}$ | $\leq 12.0$ |
|----------------------|--------------------|-------------|

## Fire Rating

PVC: UL 1666

**FIRE PROTECTION SERVICES GLOBALLY**

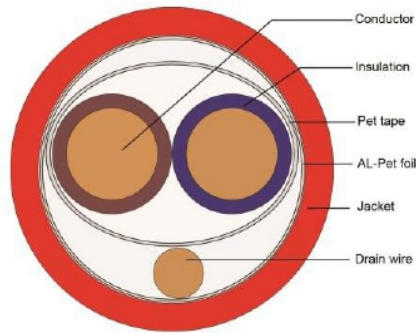
**WE DELIVER ON OUR PROMISES**

UK Office: 85 Great Portland street, First floor, London, W 1 W 7 L T, United Kingdom, Tel +447708 000050

## FIRE RESISTANT CABLES (2C x 2.5 sq.mm)



Fire Alarm Cable Shielded Series, Model : FPL, FPLR



### Application

Fire Protective Signaling Circuits, Smoke detectors, Strobes/Sirens, Pull stations Voice communications, Burglar alarms, Audio, control, initiating & notification circuits, Microprocessor/Addressable Controlled Systems.

### Standards

UL Standard: UL 13 & UL 1424 & UL 444  
 Flame Rating: UL 1666 Riser c(UL) FT4  
 RoHS: Compliant Directive 2011/65/EU

### Physical Structure

|      |                            |             |   |
|------|----------------------------|-------------|---|
| 1.1  | Conductor Diameter         |             | 1.76 ± 0.003mm                          |
| 1.2  | Conductor Material         |             | Solid Bare Copper, Wires                |
| 1.3  | Insulation Diameter        |             | PVC, 2.75 ± 0.05mm                      |
| 1.4  | Insulation Material Colour |             | Brown & Blue                            |
| 1.5  | Drain Wire                 | No.Strands  | 1                                       |
|      |                            | Strand Size | 0.80 ± 0.003mm                          |
| 1.6  | Foil Shield Coverage       |             | 115% Polyester Foil, 1x20x0.025mm       |
| 1.7  | Drain Wire Material        |             | Tinned copper wire                      |
| 1.8  | Foil Shield Coverage       |             | 100% Single Aluminum Foil, 1x20x0.035mm |
| 1.9  | Jacket Colour              |             | PVC Red RAL3000<br>or as request        |
| 1.10 | Jacket Thickness           |             | ≥ 0.85mm                                |
| 1.11 | Overall Diameter           |             | 7.40 ± 0.20mm                           |

**FIRE PROTECTION SERVICES GLOBALLY**

**WE DELIVER ON OUR PROMISES**

UK Office: 85 Great Portland street, First floor, London, W1W 7LT, United Kingdom, Tel +447708 000050



## Mechanical Properties

|                              |               |
|------------------------------|---------------|
| Bend radius                  | 8 x D         |
| Operating temperature range: | -20°C to 75°C |

## Electrical Properties

at 20°C

|                      |      |      |
|----------------------|------|------|
| Conductor Resistance | Ω/km | ≤7.5 |
|----------------------|------|------|

## Fire Rating

PVC: UL 1666

**FIRE PROTECTION SERVICES GLOBALLY**

**WE DELIVER ON OUR PROMISES**

UK Office: 85 Great Portland street, First floor, London, W 1 W 7 L T, United Kingdom, Tel +447708 000050