

**LP-FPL13XX****Series Type FPL Fire Alarm Cable, with Solid 100% Copper conductors with Aluminum Foil Shield and Drain Wire, with CM Jacket**

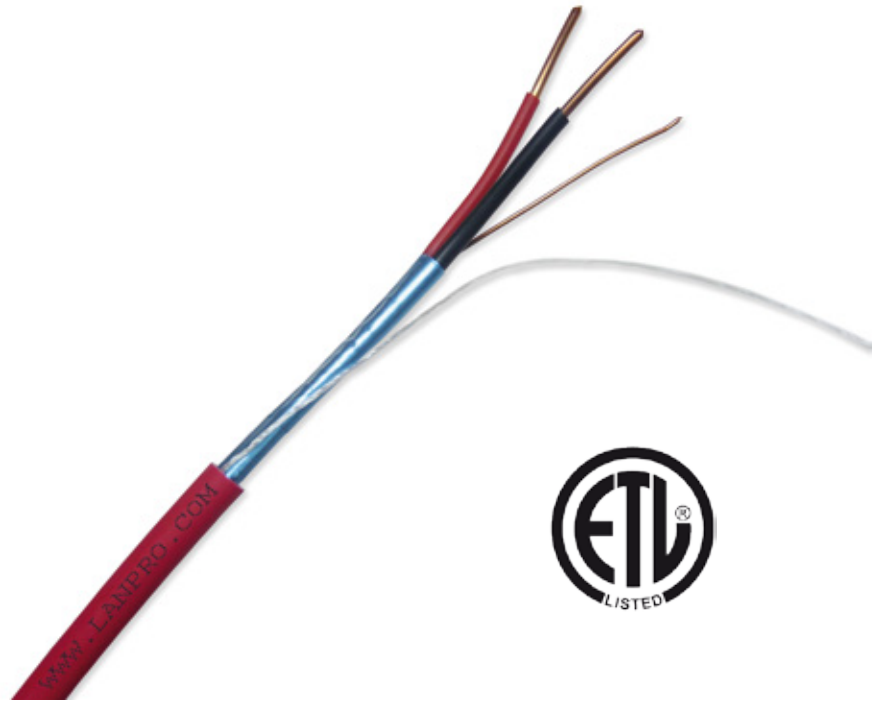
LPFPL13XX\_PFD\_ENB01W

**Features**

- NEC Type FPL/FPLR Cable.
- NEC Article 760.
- Solid Bare Copper Conductor.
- RoHS Compliant.
- Shielded Aluminum Foil + Drain wire.
- ETL Certified  
No. 100012474AHM-001

**Applications**

- Wiring Of Fire Alarms.
- Smoke detectors.
- Burglar Alarms.
- Fire Protective Circuits.

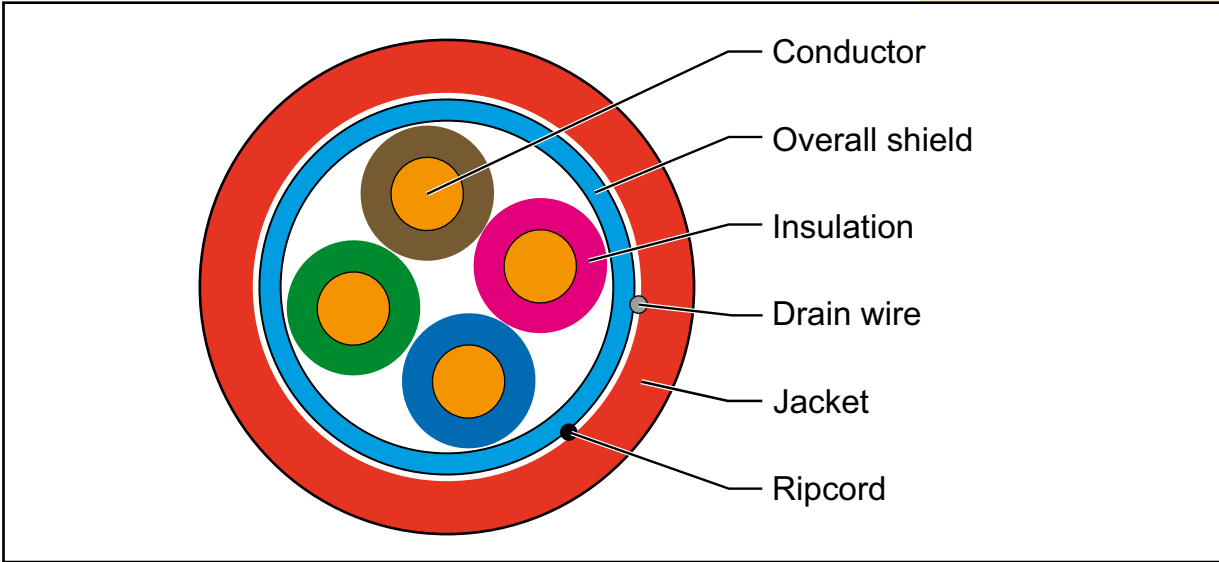


**LP-FPL13XX**  
**Series Type FPL Fire Alarm Cable, with Solid**  
**100% Copper conductors with Aluminum Foil Shield**  
**and Drain Wire, with CM Jacket**

The **LP-FPL13XX** Series Type FPL Fire Alarm Cable, with Solid 100% Copper conductors shielded Aluminum Foil and Drain Wire, with CM Jacket, comes in 1000ft spool ready to be used as a NEC Type FPL/FPLR cable for the wiring of Fire Alarm circuits, Smoke Detectors, Burglar Alarms and Fire protective Circuits. It is manufactured with Solid bare Copper Conductors of 100% High Quality Copper.

**A NEC Listings for Power Limited Alarm (PLFA) cables**

- FPL: For general use in buildings
- FPLZ: Low smoke zero-halogen
- FPLR: For use within buildings in vertical shafts
- FPLP: For use in ducts, plenums or other environmental spaces
- Direct Burial: For use outdoor or underground sunlight resistant



**B Cable Construction**

<b>1</b>	<b>Conductor</b>	<b>Solid Bare Copper 1.02±0.01mm</b>	
<b>2</b>	Insulation	Polypropylene	Min. thickness: 0.20mm
			Nom thickness: 0.27mm
			Diameter: 1.56±0.1mm
<b>3</b>	Cable core	Average Lay length: ≤150mm	
		Composing: 2C, 4C	
		General shield: Aluminum/PES tape coverage 100%	
		Drain wire: 7*0.16TCCA	
<b>4</b>	PVC Jacket	Color: As requested	
		Nom. thickness: 0.40mm	
		Min thickness: 0.30mm	

**C Electrical Characteristics**

Item	Parameter
Conductor resistance	≤22Ω/1000m
Insulation resistance	≥50MΩ.km
Voltage core to core	DC 1.0KV/min
Unbalance resistance	≤5.0%

**D Mechanical Characteristics**

<b>Conductor</b>		
Tensile Strength:	≥200MPa , Elongation:≥15%	
<b>Insulation</b>		
Tensile Strength:	≥10MPa, Elongation:≥300% before aging	
	≥10MPa, Elongation:≥100% after aging	
<b>Jacket</b>		
Tensile Strength:	≥10MPa, Elongation:≥100% before aging	
	≥10MPa, Elongation:≥100% after aging (100±2°C,168h)	
Tensile Strength and Elongation variation: ≤±20%		
<b>Number of cores</b>	<b>Max. Overall Diameter</b>	<b>Unit</b>
2C	5.0±0.5	1-2C
4C	5.6±0.6	1-4C

**E Color Code**

<b>No.</b>	<b>Color of insulation</b>
1	Black
2	Red
3	Green
4	Yellow

<b>Max. Current Allowable (Amps)</b>	<b>Maximum Length in ft (m)</b>		
	<b>18 AWG</b>	<b>16 AWG</b>	<b>14 AWG</b>
0.1	4,660 ft (1,420 m)	*6,000 ft (*1,828 m)	*6,000 ft (*1,828 m)
0.2	2,340 ft (713 m)	3,728 ft (1,126 m)	5,903 ft (1,799 m)
0.3	1,560 ft (475 m)	2,486 ft (757 m)	3,934 ft (1,199 m)
0.4	1,168 ft (356 m)	1,862 ft (567 m)	2,950 ft (899 m)
0.5	934 ft (284 m)	1,490 ft (454 m)	2,358 ft (718 m)
0.6	778 ft (237 m)	1,240 ft (377 m)	1,965 ft (598 m)
0.7	665 ft (202 m)	1,060 ft (323 m)	1,683 ft (512 m)
0.8	583 ft (177 m)	930 ft (283 m)	1,472 ft (448 m)
0.9	517 ft (157 m)	825 ft (251 m)	1,308 ft (398 m)
1.0 (Max.)	565 ft (172 m)	740 ft (225 m)	1,179 ft (359 m)



**F How to Order**

**LP-FPLSJC GGJJP**

LP-FLP	S	J
Series Type FPL Fire Alarm Cable, with Solid 100% Copper conductors	<b>Shielded Level</b> <b>0</b> Unshielded <b>1</b> Shielded + Drain wire	<b>Jacket type</b> <b>1</b> CM <b>2</b> LSZH <b>3</b> PVC <b>4</b> PE <b>5</b> PLENUM
C	GG	JJ
<b>Number of conductors</b> <b>1</b> 1 Conductor <b>2</b> 2 Conductors <b>3</b> 3 Conductors <b>4</b> 4 Conductors <b>5</b> 5 Conductors <b>6</b> 6 Conductors <b>7</b> 7 Conductors <b>8</b> 8 Conductors <b>9</b> 9 Conductors <b>0</b> 10 Conductors	<b>AWG</b> <b>16</b> AWG 16 <b>18</b> AWG 18 <b>20</b> AWG 20 <b>22</b> AWG 22 <b>23</b> AWG 23 <b>24</b> AWG 24 <b>26</b> AWG 26 <b>28</b> AWG 28	<b>Jacket Color</b> <b>RD</b> Red <b>WH</b> White <b>YL</b> Yellow <b>BK</b> Black
		P
		<b>Packing</b> <b>C</b> 1000ft Wood spool

**Examples:**

<b>LP-FPL13218RDC</b>	Type FPL Fire Alarm Cable, with two (2) Solid 100% Copper AWG 18 conductors with Aluminum Foil Shield and Drain Wire, red color PVC jacket, packing in 1000ft spool.
<b>LP-FPL13418RDC</b>	Type FPL Fire Alarm Cable, with four (4) Solid 100% Copper AWG 18 conductors with Aluminum Foil Shield and Drain Wire, red color PVC jacket, packing in 1000ft spool

*LanPro is continuously improving its products and reserves the right to change specifications and availability without prior notice.*