

# Power Limited Fire Alarm Cable

Type FPLP - Interlocked Galvanized Steel Armor



## Armor

- Interlocked Galvanized Steel Strip Color-Coded Red

## Conductors

- Solid Copper

## Conductor Insulation

- Low-Smoke Plenum PVC Insulation
- Aluminum/Polyester Tape Shield w/ Tinned Copper Drain Wire<sup>2</sup>

## Jacket

- Red Plenum-Rated low Smoke PVC
- Nylon Ripcord for Ease of Jacket Stripping

## Maximum Voltage Rating

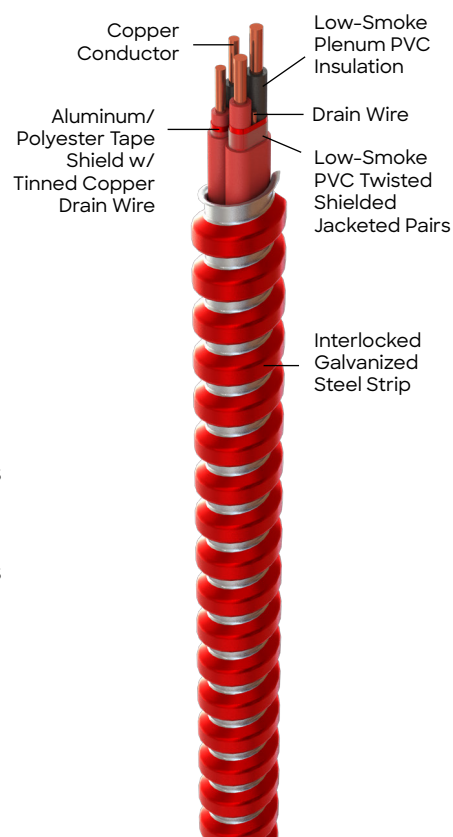
- 300V

## Maximum Continuous Operating Temperature

- 10°C to 75°C

## References & Ratings

- Manufactured in accordance with UL 1424 - Standard for Power-Limited Fire-Alarm Circuits and Listed under UL File Number E83514
- UL Classified Through-Penetrating product (XHLY) in accordance with UL 1479 under UL File Number R14141
- For use in accordance with NEC® Article 760 Part III Power-Limited FireAlarm (PLFA) Circuits and other applicable sections of the NEC®
- Suitable for use as taps for fire and sprinkler alarms in accordance with NEC® 230.82(5)
- Suitable for use in Health Care Facilities Patient Care Spaces in accordance with NEC® 517.80
- Suitable for use in Health Care Facilities for other than Patient Care Spaces in accordance with NEC® 517.81
- Suitable for connection to the life safety branch in accordance with NEC® 517.33(C) AND 517.43(C)
- Made in USA of US and /or imported materials



Conductor	Product Code		Approx. Weight	Approx. Armor O.D.	Capacitance	Impedance (Ω)	Twist per Foot
Trade Size (Color)	250' Coil	1000' Reel	(lb/1000ft)	(in)	pF/foot	Per 1000ft @ 20C	
Unshielded							
18-2 Solid TPJ (Black, Red)	PL01R42-06	PL01R60-06	108	0.445	31	59	2.0
18-4 Solid TPJ (Black, Red, Blue, Yellow)	PL03R42-46	PL03R60-46	121	0.445	24	59	2.4
16-2 Solid TPJ (Black, Red)	PL10R42-06	PL10R60-06	115	0.445	27	54	2.0
16-4 Solid TPJ (Black, Red, Blue, Yellow)	PL13R42-46	PL13R60-46	134	0.445	27	54	2.0
14-2 Solid TPJ (Black, Red)	PL34R42-06	PL34R60-06	126	0.445	25	52	2.7
Shielded							
18-2 Solid TSPJ (Black, Red) <sup>1</sup>	PL50R42-06	PL50R60-06	111	0.445	71	29	4.8
16-2 Solid TSPJ (Black, Red) <sup>1</sup>	PL60R42-06	PL60R60-06	117	0.445	69	30	4.8
14-2 Solid TSPJ (Black, Red) <sup>1</sup>	PL28R42-06	PL28R60-06	129	0.445	89	25	4.0
Composite							
18-2 Solid TSPJ (Black, Red) <sup>1</sup> 14-2 Solid TSPJ (Black, Red) <sup>1</sup>	PL27R42-06*	PL27R60-06	178	0.544	----	----	" 18-2 (TSP) = 4.8 14-2 (TSPJ) = 4"
16-2 Solid TPJ (Black, Red) 14-2 Solid TPJ (Black, Red)	----	PL40R60-06*	183	0.572	----	----	" 16-2 (TSJ) = 2.0 14-2 (TSJ) = 2.67"
16-2 Solid TSPJ (Black, Red) <sup>1</sup> 14-2 Solid TPJ (Black, Red)	PL91R42-06	PL91R60-06	189	0.572	----	----	" 16-2 (TSPJ) = 4.8 14-2 (TSJ) = 2.67"
16-2 Solid TSPJ (Black, Red) <sup>1</sup> 14-3 Solid (Black, White, Red)	----	11GGR60-00	186	0.588	----	----	16-2 (TSPJ) = 4.8

Note: All dimensions and weights are subject to normal manufacturing tolerances. \*Special Order, subject to lead times and minimum order quantities.

<sup>1</sup>Tinned Copper Drain Wire

<sup>2</sup>Shielded configurations