

UL1424 Power Limited Fire-Alarm Cables-FPLR&FPL



APPLICATION & FEATURES

Cables primarily used in circuits of emergency lighting, fire observation, signal - sensing sensor systems, supply and exhaust fan systems, communication and intercom systems, uipment control systems, fire pumps, and fire alarm systems

With high flame-retardant properties, the cable exhibits strong self-extinguishing capabilities

Standard thickness, easy to peel and cut;

Tested physically & electrically in accordance with NEC standards

Free from restricted metals and hazardous compound

TECHNICAL CHARACTERISTICS

CONDUCTOR

Solid or stranded bare copper

INSULATION

FRPVC

ASSEMBLY

Conductors grouped concentrically

SCREENING(Optional)

Aluminium / Polyester tape +Drain wire

SHEATH

FRPVC

> ASTM B3

> Indoor Installation

ELECTRICAL CHARACTERISTICS

Test Voltage

2000V

Insulation Resistance

>200 MΩ/Km

Operating Temperature

-10°C / +105°C

Bending Radius

5×OD (Outer Diameter)

Operating Voltage

300V

Nominal Section	OD +/- 0.5 mm	Conductor Resistance (Ohm/Km)
2x18AWG	4.6	21.4
3x18AWG	4.9	21.4
4x18AWG	5.3	21.4
5x18AWG	5.8	21.4
6x18AWG	6.3	21.4
...		
2x16AWG	5.2	13.5
3x16AWG	5.5	13.5
4x16AWG	6.0	13.5
5x16AWG	6.6	13.5
6x16AWG	7.2	13.5
...		
2x14AWG	6.0	8.45
3x14AWG	6.3	8.45
4x14AWG	7.0	8.45
5x14AWG	7.8	8.45
6x14AWG	8.4	8.45
...		

STANDARDS

> UL Standard:

UL 1424

> Insulation and Sheathing

UL1581

> Flame Non-Propagation

UL1666

PACKAGING



100/200 meters



500 meters