

## CABLE INCENDIO 2X18 AWG C/P

UL1424FPLR-CP | Multi-Conductor - Commercial Applications - 2 Conductors Cabled



### GENERAL DESCRIPTION

Fire Alarm Cable, Riser-FPLR, 2-18 AWG solid bare copper conductors with polyolefin insulation, Overall BDNfoil® shield, PVC jacket with ripcord

### USAGE (OVERALL)

Fire Protection, Alarm, Signal, Monitor/Detection, Audio Circuits, Control Circuits, Initiating Circuits, Notification Circuits

### PHYSICAL CHARACTERISTICS (OVERALL)

#### Conductor

| AWG

#Conductors	AWG	Stranding	Conductor Material
2	18	Solid	BC - Bare Copper

→ Total Number of Conductors: 2

#### Insulation

| Insulation Material

Insulation Material	Wall Thickness (in.)
PP - Polypropylene	0.007

#### Outer Shield

| Outer Shield Material

Outer Shield Trade Name	Outer Shield Material	Coverage (%)
BDNfoil®	Aluminum Foil-Polyester Tape	100

| Outer Shield Drain Wire AWG

AWG	Stranding	Drain Wire Conductor Material
24	Solid	TC - Tinned Copper

#### Outer Jacket

| Outer Jacket Material

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	0.017

→ Outer Jacket Ripcord: YES

#### Overall Cable

| Overall Cabling Lay Length & Direction

Length (in.)	Direction	Twists (twists/ft)
2.750	Left Hand	4.400

| Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red

→ Overall Nominal Diameter: **0.147 in.**

### MECHANICAL CHARACTERISTICS (OVERALL)

**Operating Temperature Range:** -20°C to +75°C

**UL Temperature Rating:** 75°C

**Bulk Cable Weight:** 20 lbs/1000 ft.

**Max. Recommended Pulling Tension:** 53.200 lbs.

**Min. Bend Radius/Minor Axis:** 1.5 in.

### ELECTRICAL CHARACTERISTICS (OVERALL)

**Nom. Inductance:**

Inductance (μH/ft)
0.150

**Nom. Capacitance Conductor to Conductor:**

Capacitance (pF/ft)
55.000

**Nom. Capacitance Cond. to Other Conductor & Shield:**

Capacitance (pF/ft)
99.000

**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)
6.4

**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)
17.900

**Max. Operating Voltage:**

Voltage
300 V RMS

**Max. Recommended Current:**

Description	Current
10°C Temperature Rise	5 Amps per conductor @ 25°C