

# DETAILED SPECIFICATIONS & TECHNICAL DATA

ENGLISH MEASUREMENT VERSION



For more Information please call BDN Distributor

## FIRE CABLE 2X18 S/P LSZH UL



LSZH1424FPLR | 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, LSZH jacket

### USAGE (OVERALL)

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

### PHYSICAL CHARACTERISTICS (OVERALL)

#### Conductor

AWG	#Conductors	AWG	Stranding	Conductor Material	Total Number of Conductors: 2
	2	18	Solid	BC - Bare Copper	

#### 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	Unshielded	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.)	Outer Jacket Ripcord: YES
	LSZH	0.025	

#### Overall Cable

Overall Cabling Lay Length & Direction	Lenght (in.)	Direction	Twists (twists/ft)
	2.750	Left Hand	4.400

#### | Overall Cabling Color Code Chart:

Number	Color	Overall Nominal Diameter: 0.163 in.
1	Black	
2	Red	

### MECHANICAL CHARACTERISTICS (OVERALL)

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

**Bulk Cable Weight:** 19 lbs/1000 ft.

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

**Min. Bend Radius/Minor Axis:** 1.6 in.

### ELECTRICAL CHARACTERISTICS (OVERALL)

#### Nom. Inductance:

Inductance ( $\mu$ H/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

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