

# DETAILED SPECIFICATIONS & TECHNICAL DATA

ENGLISH MEASUREMENT VERSION



For more Information please call BDN Distributor

## FIRE CABLE 2X16 S/P LSZH UL

LSZH1424FPLR216 | Multi-Conductor - Commercial Applications - 2 Conductors Cabled



### GENERAL DESCRIPTION

Fire Alarm Cable, Riser-LSZH, 2-16 AWG solid bare copper conductors with polyolefin insulation, Overall BDN foil 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	16	Solid	BC - Bare Copper	

#### Insulation

| Insulation Material

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

#### Outer Jacket

| Outer Jacket Material

Outer Jacket Material	Nom. Wall Thickness (in.)	Outer Jacket Ripcord: YES
LSZH POLYMER	0.017	

#### 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	Overall Nominal Diameter: 0.324 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 (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