

DETAILED SPECIFICATIONS & TECHNICAL DATA

ENGLISH MEASUREMENT VERSION



For more Information please call BDN Distributor

FIRE CABLE 2X18 S/P LSZH



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

Length (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 (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