

Y64828 Multi-Conductor - Commercial Applications - 2 Conductors Cabled

**General Description:**

Fire Alarm Cable, Riser-FPLR, 2-14 AWG solid bare copper conductors with polyolefin insulation, LSZH jacket with ripcord

Usage (Overall)

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

Physical Characteristics (Overall)**Conductor**

AWG:

# Conductors	AWG	Stranding	Conductor Material
2	14	Solid	BC - Bare Copper

Total Number of Conductors: 2

Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
PP - Polypropylene	0.010

Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
Low Smoke Zero Halogen	0.025

Outer Jacket Ripcord: Yes

Overall Cable

Overall Cabling Lay Length & Direction:

Length (in.)	Direction	Twists (twist/ft)
3.500	Left Hand	3.400

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red

Overall Nominal Diameter: 0.221 in.

Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +75°C

UL Temperature Rating: 75°C

Bulk Cable Weight: 37 lbs/1000 ft.

Max. Recommended Pulling Tension: 99.400 lbs.

Min. Bend Radius/Minor Axis: 2.2 in.

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

NEC/(UL) Specification: FPLR

NEC Articles: 760

EU Directive 2011/65/EU (ROHS II): Yes

EU CE Mark: Yes

EU Directive 2000/53/EC (ELV): Yes

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EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes
Flame Test	
UL Flame Test:	UL1666 Vertical Shaft
CSA Flame Test:	FT4
Suitability	
Suitability - Indoor:	Yes
Plenum/Non-Plenum	
Plenum Number:	6120UL

Electrical Characteristics (Overall)

Nom. Inductance:	
Inductance (µH/ft)	.15
Nom. Capacitance Conductor to Conductor:	
Capacitance (pF/ft)	23.000
Nom. Conductor DC Resistance:	
DCR @ 20°C (Ohm/1000 ft)	2.43
Max. Operating Voltage - UL:	
Voltage	300 V RMS
Max. Recommended Current:	
Description	Current
10C Temperature Rise	8 Amps per conductor @ 25°C ambient

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