

TECHNICAL MATERIAL SUBMITTAL

FIRE ALARM CABLE

BRAND : JLD
UL LISTED





Part Number: 24081401

Electronic, 2 C #16 Sol BC, PVC Ins, OS, Red PVC Jkt, FPLR

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Product Description

Electronic, 2 Conductor 16AWG (Solid) Bare Copper, PVC Insulation, Overall Beldfoil® Shield, Red PVC Outer Jacket, FPLR

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
16	Solid	BC - Bare Copper	2

Conductor Count:	2
Total Number of Pairs:	1
Conductor Size:	16 AWG

Insulation

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.016 in

Color Chart

Number	Color
1	Black
2	Red

Outer Shield Material

Type	Material	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum/Polyester	100 %	AL- aluminium wirer	20	1x0.8mm

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.232 in	0.028 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
4.1 Ohm/1000ft	10.6 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
57.5 pF/ft	103.5 pF/ft

Inductance

Nominal Inductance

0.15 µH/ft

Max. Recommended Current [A]



11 Amps per conductor @ 25°C



Voltage

300 V RMS

Temperature Range

UL Temp Rating:	75°C
Operating Temp Range:	-20°C To +75°C

Mechanical Characteristics

Bulk Cable Weight:	32lbs/1000ft
Min Bend Radius/Minor Axis:	2.5 in

Standards

NEC Articles:	760
NEC/(UL) Specification:	CMR, FPLR
CEC/C(UL) Specification:	FAS75
UL AWM Style:	UL Style 1424(300 V 75°C)
CPR Euroclass:	Eca
Other Specification:	California State Fire Marshall

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1666 Vertical Shaft
CSA Flammability:	FT4
ISO/IEC Flammability:	IEC 60332-1-2
UL voltage rating:	300 V RMS