# **Detailed Specifications & Technical Data**

### **ENGLISH MEASUREMENT VERSION**



# 5324UM Multi-Conductor - Commercial Applications



For more Information please call

1-800-Belden1



# **Description:**

18 AWG solid bare copper conductors, ceramifiable silicone insulation, FRPE (low smoke non-halogen) jacket, sequential footage marking every two feet.

# **Usage (Overall)**

Suitable Applications:

Survivability, Survivability from Attach by Fire, Fire Alarm Circuit Integrity, CI, Survivability by NFPA72, Sim to MI, Similar to Mineral Insulated, FPLR-CI, Emergency Circuits, Notification Devises, Fire Pumps, 2 hour fire rating

# **Physical Characteristics (Overall)**

#### Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
6	18	Solid	BC - Bare Copper

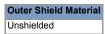
#### Insulation

**Insulation Material:** 

Insulation Material	Wall Thickness (in.)
Silicone Rubber	.034

### **Outer Shield**

**Outer Shield Material:** 



# **Outer Jacket**

**Outer Jacket Material:** 

Outer Jacket Material	Nom. Wall Thickness (in.)
FRPE - Flame Retardant Polyethylene	.045

# **Overall Cable**

Overall Cabling Lay Length & Direction:



# **Overall Cabling Color Code Chart:**

Number	Color
1	Black#1
2	Black#2
3	Black#3
4	Black#4
5	Black#5
6	Black#6

Overall Nominal Diameter: 0.417 in.

# **Mechanical Characteristics (Overall)**

Operating Temperature Range:	-20°C To +105°C
UL Temperature Rating:	105°C
Bulk Cable Weight:	91 lbs/1000 ft.

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Max. Recommended Pulling Tension:	117.600 lbs.
Min. Bend Radius (Install)/Minor Axis:	4.200 in.

# **Applicable Specifications and Agency Compliance (Overall)**

NEC/(UL) Specification:	FPLR-CI	
NEC Articles:	760	
EU CE Mark:	Yes	
EU Directive 2000/53/EC (ELV):	Yes	
EU Directive 2002/95/EC (RoHS):	Yes	
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2005	
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	
ame Test		
UL Flame Test:	UL1666 Riser, UL2196 Two Hour Circuit Integrity	
enum/Non-Plenum		
Plenum (Y/N):	No	

# **Electrical Characteristics (Overall)**

Nom. Capacitance Conductor to Conductor:



Nom. Conductor DC Resistance:

DCR @ 20°C	(Ohm/1000 ft)
5.86	

### Max. Operating Voltage - UL:

Voltage	Description
300 V RMS	FPLR only applications
41 V RMS	CI applications

### **Related Documents:**

No related documents are available for this product

### **Put Ups and Colors:**

Iten	n #	Putup	Ship Weight	Color	Notes	Item Desc
532	4UM 0021000	1,000 FT	100.000 LB	RED	С	6 #18 SIL FRNHPO

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 07-18-2011

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