# **Detailed Specifications & Technical Data**

**METRIC MEASUREMENT VERSION** 



# 5306UL Multi-Conductor - Commercial Audio Systems



For more Information please call

1-800-Belden1



## **General Description:**

Fire Alarm Cable, Riser-FPLR, 8-18 AWG stranded bare copper conductors with polyolefin insulation, PVC 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:

ı	# Conductors	AWG	Stranding	Conductor Material		
	8	18	7x26	BC - Bare Copper		

Total Number of Conductors:

8

### Insulation

**Insulation Material:** 

| Insulation Material | Wall Thickness (mm) | PP - Polypropylene | 0.203

### **Outer Shield**

**Outer Shield Material:** 

Outer Shield Material Unshielded

### **Outer Jacket**

**Outer Jacket Material:** 

Outer Jacket Material	Nom. Wall Thickness (mm)		
PVC - Polyvinyl Chloride	0.457		

Outer Jacket Ripcord:

Yes

### **Overall Cable**

Overall Cabling Lay Length & Direction:

**Length (mm) Twists (twist/m)** 101.600 9.843

# **Overall Cabling Color Code Chart:**

Number	Color
1	Black
2	Red
3	Brown
4	Blue
5	Orange
6	Yellow
7	Purple
8	Green

Overall Nominal Diameter: 6.121 mm

## **Mechanical Characteristics (Overall)**

Page 1 of 3 11-08-2019

# **Detailed Specifications & Technical Data**





# 5306UL Multi-Conductor - Commercial Audio Systems

Operating Temperature Range:	-20°C To +75°C
UL Temperature Rating:	75°C
Bulk Cable Weight:	78.875 Kg/Km
Max. Recommended Pulling Tension:	796.228 N
Min. Bend Radius/Minor Axis:	60.325 mm

# **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
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	10/01/2009
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 Vertical Shaft

### Fla

**CSA Flame Test:** FT4

### Plenum/Non-Plenum

Plenum Number: 6306UL

## **Electrical Characteristics (Overall)**

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m) 66.440

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 21.3265

Max. Operating Voltage - UL:

Voltage 300 V RMS

Max. Recommended Current:

Current 5.6 Amps per conductor @ 25°C

## **Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5306UL 002U1000	1,000 FT	55.000 LB	RED		8 #18 PO PVC

Revision Number: 0 Revision Date: 03-13-2013

© 2019 Belden, Inc All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

# **Detailed Specifications & Technical Data**

### METRIC MEASUREMENT VERSION



### 5306UL Multi-Conductor - Commercial Audio Systems

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale. Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product. Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).

Page 3 of 3 11-08-2019