# **Detailed Specifications & Technical Data**

## **ENGLISH MEASUREMENT VERSION**



# 8437 Multi-Conductor - Audio, Control and Instrumentation Cable



For more Information please call

1-800-Belden1



# **Description:**

Overall braid, 22 AWG solid TC conductors, PVC insulation, twisted pair, polyester tape + TC braid shield (88% coverage), 22 AWG solid TC drain wire, PVC jacket.

# **Physical Characteristics (Overall)**

## Conductor

#### AWG:

# Pairs	AWG	Stranding	<b>Conductor Material</b>
1	22	Solid	TC - Tinned Copper

#### Insulation

## Insulation Material:

Insulation Material	Wall Thickness (in.)
PVC - Polyvinyl Chloride	.015

## **Outer Shield**

#### **Outer Shield Material:**

	Outer Shield Material	_ , ,
Braid	TC - Tinned Copper	88

#### **Outer Shield Drain Wire AWG:**

AWG	Stranding	<b>Drain Wire Conductor Material</b>
22	Solid	TC - Tinned Copper

## **Outer Jacket**

#### **Outer Jacket Material:**

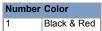
Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.025

#### **Overall Cable**

Overall Cabling Separator Material:	Polyester Tape
Overall Nominal Diameter:	0.188 in.

## **Pair**

## Pair Color Code Chart:



# Pair Lay Length & Direction:

Lay Length (in.)	Twists/ft. (twist/ft)
2.000	6.000

# **Mechanical Characteristics (Overall)**

Operating Temperature Range:	-20°C To +80°C	
UL Temperature Rating:	80°C (UL AWM Style 2095)	
Bulk Cable Weight:	22 lbs/1000 ft.	
Max. Recommended Pulling Tension:	48 lbs.	
Min. Bend Radius (Install)/Minor Axis:	1.875 in.	

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Applicable Specifications and Agency Compliance (Overall)					
Applicable Standards & Environmental Programs					
NEC/(UL) Specification:	CMG				
CEC/C(UL) Specification:	CMG				
AWM Specification:	UL Style 2095 (300 V 80°C)				
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):	04/01/2005				
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				
Flame Test					
UL Flame Test:	UL1685 FT4 Loading				
C(UL) Flame Test:	FT4				
Plenum/Non-Plenum					
Plenum (Y/N):	No				

# **Electrical Characteristics (Overall)**

Nom. Characteristic Impedance:

Impedance (Ohm)
46

Nom. Inductance:

Inductance (µH/ft) 0.2

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
48

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)
85

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 16.2

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 4.9

Max. Operating Voltage - UL:

**Voltage** 300 V RMS (UL AWM Style 2095)

Max. Recommended Current:

**Current**2.9 Amps per conductor @ 25°C

## **Related Documents:**

No related documents are available for this product

## **Put Ups and Colors:**

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## 8437 Multi-Conductor - Audio, Control and Instrumentation Cable

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8437 0101000	1,000 FT	24.000 LB	BLACK	С	2 #22 PVC BRD PVC

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 07-03-2008

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