# **Detailed Specifications & Technical Data**

## **ENGLISH MEASUREMENT VERSION**



# 5409UE Multi-Conductor - Commercial Applications



For more Information please call

1-800-Belden1



## **General Description:**

Security & Alarm Cable, Riser-CMR, 12-20 AWG stranded bare copper conductors with polypropylene insulation, PVC jacket with ripcord

# Usage (Overall) Suitable Applications: Security Systems, Intercom/PA Systems, Sound/Audio Systems, Power Limited Controls, and Single Line Telephone. **Physical Characteristics (Overall)** Conductor AWG: # Conductors AWG Stranding Conductor Material 20 7x28 BC - Bare Copper **Total Number of Conductors:** 12 Insulation Insulation Material: Insulation Material Wall Thickness (in.) Polypropylene 0.008 **Outer Shield** Outer Shield Material: **Outer Shield Material**

Unshielded

# **Outer Jacket**

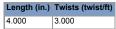
Outer Jacket Material:

**Outer Jacket Material** Nom. Wall Thickness (in.) PVC - Polyvinyl Chloride | 0.017

Outer Jacket Ripcord: Yes

# **Overall Cable**

Overall Cabling Lay Length & Direction:



# **Overall Cabling Color Code Chart:**

Number	Color		
1	Black		
2	Red		
3	White		
4	Green		
5	Brown		
6	Blue		
7	Orange		
8	Yellow		
9	Purple		
10	Gray		
11	Pink		
12	Tan		

**Overall Nominal Diameter:** 0.252 in.

Mechanical Characteristics (Overall)							
	Operating Temperature Range:	-20°C To +75°C					
	UL Temperature Rating:	75°C					
	Bulk Cable Weight:	58.200 lbs/1000 ft.					
	Max. Recommended Pulling Tension:	151,200 lbs.					

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	Min. Bend Radius/Minor Axis:	2.600 in.
App	licable Specifications and Agency Compliance (C	Overall)
App	olicable Standards & Environmental Programs	
	NEC/(UL) Specification:	CMR
	NEC Articles:	800
	CEC/C(UL) Specification:	CMG
	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):	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
Flai	ne Test	
	UL Flame Test:	UL1666 Vertical Shaft
	C(UL) Flame Test:	FT4
Ple	num/Non-Plenum	
	Plenum (Y/N):	No
	Plenum Number:	6409UE

## Surface Printing (Overall)

# **Electrical Characteristics (Overall)**

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft) 24.700

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

Max. Operating Voltage - UL:

Voltage 300 V RMS

Max. Recommended Current:

Current 2.6 Amps per conductor @ 25°C

# **Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5409UE 0081000	1,000 FT	55.000 LB	GRAY	С	12 #20 PP FRPVC

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 04-08-2013

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