# **Detailed Specifications & Technical Data**

## **ENGLISH MEASUREMENT VERSION**



# 5406UE Multi-Conductor - Commercial Applications



For more Information please call

1-800-Belden1



## **General Description:**

Security & Alarm Cable, Riser-CMR, 8-20 AWG stranded bare copper conductors with polyolefin

## 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 Dia. (in.) 20 7x28 BC - Bare Copper 0.036 **Total Number of Conductors:** 8 Insulation Insulation Material: Insulation Material Wall Thickness (in.) PP - Polypropylene | 0.007 **Outer Shield** Outer Shield Material: **Outer Shield Material**

## Unshielded

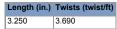
**Outer Jacket Outer Jacket Material:** 

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	0.018

Outer Jacket Ripcord: Yes

## **Overall Cable**

Overall Cabling Lay Length & Direction:



**Overall Cabling Color Code Chart:** 

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

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**Overall Nominal Diameter:** 0.202 in.

Med	hanical Characteristics (Overall)	
	Operating Temperature Range:	-20°C To +75°C
	UL Temperature Rating:	75°C
	Bulk Cable Weight:	38 lbs/1000 ft.
	Max. Recommended Pulling Tension:	100.800 lbs.
	Min. Bend Radius/Minor Axis:	2.100 in.

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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
ne Test	
UL Flame Test:	UL1666 Vertical Shaft
C(UL) Flame Test:	FT4

## **Electrical Characteristics (Overall)**

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

Max. Operating Voltage - UL:

Voltage 300 V RMS

Max. Recommended Current:

2.6 Amps per conductor @ 25°C

## **Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5406UE 008U1000	1,000 FT	38.000 LB	GRAY		8 #20 PP FRPVC
5406UE 0081000	1,000 FT	39.000 LB	GRAY	С	8 #20 PP FRPVC

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 03-11-2013

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