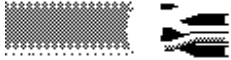


## 9406 Multi-Conductor - Audio, Control and Instrumentation Cable

For more Information  
please call

1-800-Belden1



### Description:

22 AWG stranded (7x30) TC conductors, semi-rigid PVC insulation, twisted pairs, individually shielded w/Beldfoil® (100% coverage), 22 AWG stranded TC drain wire, PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Pairs	AWG	Stranding	Conductor Material
2	22	7x30	TC - Tinned Copper

#### Insulation

##### Insulation Material:

Insulation Material
S-R PVC - Semi-Rigid Polyvinyl Chloride

#### Inner Shield

##### Inner Shield Material:

Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)
Beldfoil® (Z-Fold®)	Tape	Aluminum Foil-Polyester Tape	100

##### Inner Shield Drain Wire AWG:

AWG
22

Inner Shield Drain Wire Stranding: 7x30

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

#### Outer Shield

##### Outer Shield Material:

Outer Shield Material
Unshielded

#### Outer Jacket

##### Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

#### Overall Cable

Overall Nominal Diameter: 0.173 x 0.280 in.

#### Pair

##### Pair Color Code Chart:

Number	Color
1	Black & White
2	Black & Yellow

##### Pair Lay Length & Direction:

Lay Length (in.)	Twists/ft. (twist/ft)
1.250	9.600

### Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +80°C

## 9406 Multi-Conductor - Audio, Control and Instrumentation Cable

<b>UL Temperature Rating:</b>	80°C (UL AWM Style 2464)
<b>Bulk Cable Weight:</b>	31 lbs/1000 ft.
<b>Max. Recommended Pulling Tension:</b>	36 lbs.
<b>Min. Bend Radius (Install)/Minor Axis:</b>	2.800 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

<b>NEC/(UL) Specification:</b>	CMG
<b>CEC/C(UL) Specification:</b>	CMG
<b>AWM Specification:</b>	UL Style 2464 (300 V 80°C)
<b>EU CE Mark:</b>	Yes
<b>EU Directive 2000/53/EC (ELV):</b>	Yes
<b>EU Directive 2002/95/EC (RoHS):</b>	Yes
<b>EU RoHS Compliance Date (mm/dd/yyyy):</b>	10/01/2005
<b>EU Directive 2002/96/EC (WEEE):</b>	Yes
<b>EU Directive 2003/11/EC (BFR):</b>	Yes
<b>CA Prop 65 (CJ for Wire &amp; Cable):</b>	Yes
<b>MII Order #39 (China RoHS):</b>	Yes

#### Flame Test

<b>C(UL) Flame Test:</b>	FT4
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#### Plenum/Non-Plenum

<b>Plenum (Y/N):</b>	No
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### Electrical Characteristics (Overall)

#### Nom. Characteristic Impedance:

<b>Impedance (Ohm)</b>
50

#### Nom. Inductance:

<b>Inductance (µH/ft)</b>
0.095

#### Nom. Capacitance Conductor to Conductor:

<b>Capacitance (pF/ft)</b>
50

#### Nom. Capacitance Cond. to Other Conductor & Shield:

<b>Capacitance (pF/ft)</b>
95

#### Nominal Velocity of Propagation:

<b>VP (%)</b>
60

#### Nom. Conductor DC Resistance:

<b>DCR @ 20°C (Ohm/1000 ft)</b>
15

**Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C:** 13 Ohm/1000 ft

#### Max. Operating Voltage - UL:

<b>Voltage</b>
300 V RMS (UL AWM Style 2464)

#### Max. Recommended Current:

## 9406 Multi-Conductor - Audio, Control and Instrumentation Cable

**Current**

2.3 Amps per conductor @ 25°C

### Related Documents:

No related documents are available for this product

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9406 T35U1000	1,000 FT	32.000 LB	BEIGE, PALE FAWN		2 #22 FS PR PVC PVC
9406 T35U500	500 FT	16.500 LB	BEIGE, PALE FAWN		2 #22 FS PR PVC PVC
9406 T35100	100 FT	3.800 LB	BEIGE, PALE FAWN		2 #22 FS PR PVC PVC
9406 T351000	1,000 FT	33.000 LB	BEIGE, PALE FAWN	C	2 #22 FS PR PVC PVC
9406 T35500	500 FT	17.000 LB	BEIGE, PALE FAWN		2 #22 FS PR PVC PVC

**Notes:**

C = CRATE REEL PUT-UP.

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