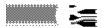
## **Detailed Specifications & Technical Data**

### **METRIC MEASUREMENT VERSION**



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



For more Information please call

1-800-Belden1



## **General Description:**

NEC/(UL) Specification:
CEC/C(UL) Specification:

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 TC - Tinned Copper 22 7x30 **Total Number of Conductors:** Insulation Insulation Material: **Insulation Material** Wall Thickness (mm) S-R PVC - Semi-Rigid Polyvinyl Chloride | 0.279 **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 7x30 Inner Shield Drain Wire Stranding: 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 Nom. Wall Thickness (mm) PVC - Polyvinyl Chloride 0.838 **Overall Cable** Overall Nominal Diameter: 4.394 x 7.112 mm Pair Pair Color Code Chart: Number Color Black & White Black & Yellow **Mechanical Characteristics (Overall) Operating Temperature Range:** -20°C To +80°C **UL Temperature Rating:** 80°C (UL AWM Style 2464) **Bulk Cable Weight:** 44.646 Ka/Km 160.135 N Max. Recommended Pulling Tension: Min. Bend Radius/Minor Axis: 44.450 mm Applicable Specifications and Agency Compliance (Overall) **Applicable Standards & Environmental Programs**

CMG

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# **Detailed Specifications & Technical Data**

### METRIC MEASUREMENT VERSION



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

AWM Specification:		UL Style 2464 (300 V 80°C)
EU Directive 2011/65/EU (ROHS II):		Yes
EU CE Ma	rk:	Yes
EU Directi	ve 2000/53/EC (ELV):	Yes
EU Directi	ve 2002/95/EC (RoHS):	Yes
EU RoHS	Compliance Date (mm/dd/yyyy):	10/01/2005
EU Directi	ve 2002/96/EC (WEEE):	Yes
EU Directi	ve 2003/11/EC (BFR):	Yes
CA Prop 6	5 (CJ for Wire & Cable):	Yes
MII Order	#39 (China RoHS):	Yes
Flame Test		
C(UL) Flar	ne Test:	FT4
Plenum/Non-	Plenum	
Plenum (Y	/N):	No

### **Electrical Characteristics (Overall)**

Nom. Characteristic Impedance:

Impedance (Ohm) 50

Nom. Inductance:

Inductance (µH/m) 0.311695

Nom. Capacitance Conductor to Conductor:

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m) 311.695

Nominal Velocity of Propagation:

60

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 49.215

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C:

42.653 Ohm/km

Max. Operating Voltage - UL:

Voltage 300 V RMS (UL AWM Style 2464)

Max. Recommended Current:

2.3 Amps per conductor @ 25°C

## **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	С	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.

Revision Number: 2 Revision Date: 11-05-2012

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# **Detailed Specifications & Technical Data**

### METRIC MEASUREMENT VERSION



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

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