



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

Total Number of Conductors: 4

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: 4.394 x 7.112 mm

Pair**Pair Color Code Chart:**

Number	Color
1	Black & White
2	Black & Yellow

Pair Lay Length & Direction:

Lay Length (mm)	Twists (twist/m)
31.75	31.498

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Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +80°C
UL Temperature Rating:	80°C (UL AWM Style 2464)
Bulk Cable Weight:	46.134 Kg/Km
Max. Recommended Pulling Tension:	160.135 N
Min. Bend Radius/Minor Axis:	71.120 mm

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

NEC/(UL) Specification:	CMG
CEC/C(UL) Specification:	CMG
AWM Specification:	UL Style 2464 (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):	10/01/2005
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

C(UL) Flame Test:	FT4
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Plenum/Non-Plenum

Plenum (Y/N):	No
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Electrical Characteristics (Overall)**Nom. Characteristic Impedance:**

Impedance (Ohm)

50

Nom. Inductance:

Inductance (μH/m)

0.311695

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

164.05

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)

311.695

Nominal Velocity of Propagation:

VP (%)

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
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Max. Operating Voltage - UL:

METRIC MEASUREMENT VERSION

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Voltage

300 V RMS (UL AWM Style 2464)

Max. Recommended Current:**Current**

2.3 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9406 T35U1000	305 MT	14.515 KG	BEIGE, PALE FAWN		2 #22 FS PR PVC PVC
9406 T35U500	152 MT	7.484 KG	BEIGE, PALE FAWN		2 #22 FS PR PVC PVC
9406 T35100	30 MT	1.724 KG	BEIGE, PALE FAWN		2 #22 FS PR PVC PVC
9406 T351000	305 MT	14.969 KG	BEIGE, PALE FAWN	C	2 #22 FS PR PVC PVC
9406 T35500	152 MT	7.711 KG	BEIGE, PALE FAWN		2 #22 FS PR PVC PVC

Notes:

C = CRATE REEL PUT-UP.

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