

9406 Multi-Conductor - Audio, Control and Instrumentation Cable

For more Information
please call

1-800-Belden1



General 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	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

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	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
1	Black & White
2	Black & Yellow

Mechanical Characteristics (Overall)

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

UL Temperature Rating: 80°C (UL AWM Style 2464)

METRIC MEASUREMENT VERSION

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Bulk Cable Weight:	44.646 Kg/Km
Max. Recommended Pulling Tension:	160.135 N
Min. Bend Radius/Minor Axis:	44.450 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 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):	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
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Nom. Inductance:

Inductance (µH/m)	0.311695
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Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)	164.05
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Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)	311.695
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Nominal Velocity of Propagation:

VP (%)	60
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Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)	49.215
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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)
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Max. Recommended Current:

Current	
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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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