

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 (in.) |
|---|----------------------|
| S-R PVC - Semi-Rigid Polyvinyl Chloride | 0.011 |

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 (in.) |
|--------------------------|---------------------------|
| PVC - Polyvinyl Chloride | 0.033 |

Overall Cable

Overall Nominal Diameter: 0.173 x 0.280 in.

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)

Bulk Cable Weight: 30 lbs/1000 ft.

Max. Recommended Pulling Tension: 36 lbs.

Min. Bend Radius/Minor Axis: 1.750 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/UL Specification: CMG

CEC/C(UL) Specification: CMG

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| | |
|---------------------------------------|----------------------------|
| 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 |
|-------------------|-----|

Plenum/Non-Plenum

| | |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
50

Nom. Inductance:

Inductance (µH/ft)
0.095

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
50

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)
95

Nominal Velocity of Propagation:

VP (%)
60

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
15

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

Max. Operating Voltage - UL:

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 | 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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