

## 76601TS Multi-Conductor - 300V Shielded, Continuous Flexing Data Applications Up to 6 Million FLEXT Life Cycles



For more Information  
please call

1-800-Belden1

**General Description:**

24 AWG stranded (10x34) tinned copper conductors, PVC insulation, aluminum/polyester foil shield, tinned copper braid shield, 85% coverage, oil-resistant overall PVC jacket.

**Physical Characteristics (Overall)****Conductor**

AWG:

| # Pairs | AWG | Stranding | Conductor Material | Dia. (in.) |
|---------|-----|-----------|--------------------|------------|
| 1       | 24  | 10x34     | TC - Tinned Copper | 0.024      |

Total Number of Conductors:

2

**Insulation**

Insulation Material:

| Insulation Material      | Wall Thickness (in.) | Dia. (in.) |
|--------------------------|----------------------|------------|
| PVC - Polyvinyl Chloride | 0.010                | 0.044      |

**Outer Shield**

Outer Shield Material:

| Type        | Outer Shield Material | Coverage (%) |
|-------------|-----------------------|--------------|
| Foil Shield | Alum/Mylar            | 100.000      |
| Braid       | Tinned Copper         | 85.000       |

Outer Shield Drain Wire AWG:

| Component  | AWG | Stranding | Drain Wire Conductor Material |
|------------|-----|-----------|-------------------------------|
| Drain Wire | 26  | 7x34      | TC - Tinned Copper            |

Outer Shield Separator Material:

Tissue Tape, 25&#37; Overlap, Min.

**Outer Jacket**

Outer Jacket Material:

| Outer Jacket Material    | Nom. Wall Thickness (in.) |
|--------------------------|---------------------------|
| PVC - Polyvinyl Chloride | 0.040                     |

**Overall Cable**

Overall Nominal Diameter:

0.204 in.

**Pair**

Pair Color Code Chart:

| Number | Color     |
|--------|-----------|
| 1      | BLACK-RED |

**Mechanical Characteristics (Overall)**

|                                        |                  |
|----------------------------------------|------------------|
| Bulk Cable Weight:                     | 28 lbs/1000 ft.  |
| Max. Recommended Pulling Tension:      | 11.700 lbs.      |
| Min. Bend Radius/Minor Axis:           | 2 in.            |
| Min. Bend/Installation:                | 2 in.            |
| Min. Bend Radius (Continuous Flexing): | 3.100 in.        |
| Flex Cycle Rating:                     | 6 Million Flexes |

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

|                                    |                                                                                                                                             |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| NEC/(UL) Specification:            | CM                                                                                                                                          |
| AWM Specification:                 | UL Style 20006                                                                                                                              |
| CSA Specification:                 | 600 V AWM I/II A/B                                                                                                                          |
| EU Directive 2011/65/EU (ROHS II): | Yes                                                                                                                                         |
| Other Specification:               | AWM/STYLE 10002, AWM/STYLE 2661, CM, AWM I/II A/B, C(UL) TYPE CMG, FT4, EU Low Voltage Directive 2014/35/EC, EU Directive 2011/65/EU(RoHS2) |

**Flame Test**

|                 |     |
|-----------------|-----|
| CSA Flame Test: | FT4 |
|-----------------|-----|

**Suitability**

**76601TS Multi-Conductor - 300V Shielded, Continuous Flexing Data Applications Up to 6 Million FLEflex Life Cycles**

Sunlight Resistance:

Yes

**Electrical Characteristics (Overall)****Nom. Characteristic Impedance:**

| Description              | Impedance (Ohm) |
|--------------------------|-----------------|
| Characteristic Impedance | 54.000          |

**Nom. Inductance:**

| Inductance (µH/ft) |
|--------------------|
| 0.190              |

**Nom. Capacitance Cond. to Other Cond. & Ground:**

| Description        | Freq. (kHz) | Capacitance (pF/ft) |
|--------------------|-------------|---------------------|
| Mutual Capacitance | 1.000       | 35.000              |
| Ground Capacitance | 1.000       | 63.000              |

**Nom. Conductor DC Resistance:**

| DCR @ 20°C (Ohm/1000 ft) |
|--------------------------|
| 29.000                   |

**Nominal Outer Shield DC Resistance:**

| DCR @ 20°C (Ohm/1000 ft) |
|--------------------------|
| 4.900                    |

**Notes (Overall)**

Notes: Temperature Range -10 to 105°C(static), +5 to 105°C (dynamic)

**Put Ups and Colors:**

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|--------|-------|-------------|-------|-------|-----------|
|--------|-------|-------------|-------|-------|-----------|

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