

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



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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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