

## 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
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**Suitability**

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