

## 76402TS Multi-Conductor - 300V Shielded, Continuous Flexing Data Applications Up to 6 Million FLEX Life Cycles



For more Information  
please call

1-800-Belden1

### General Description:

28 AWG stranded (7x36) 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.)
2	28	7x36	TC - Tinned Copper	0.015

Total Number of Conductors: 4

#### Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)	Dia. (in.)
PVC - Polyvinyl Chloride	0.010	0.035

#### 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: 0.231 in.

#### Pair

Pair Color Code Chart:

Number	Color
1	BLACK-RED
2	BLACK-WHITE

### Mechanical Characteristics (Overall)

Bulk Cable Weight: 33 lbs/1000 ft.

Max. Recommended Pulling Tension: 11.600 lbs.

Min. Bend Radius/Minor Axis: 2.310 in.

Min. Bend/Installation: 2.310 in.

Min. Bend Radius (Continuous Flexing): 3.470 in.

Flex Cycle Rating: 6 Million Flexes

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CM

CEC/C(UL) Specification: CMG

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

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CSA Flame Test:

F14

### Electrical Characteristics (Overall)

**Nom. Characteristic Impedance:**

Description	Impedance (Ohm)
Characteristic Impedance	82.000

**Nom. Inductance:**

Inductance (µH/ft)
0.220

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

Description	Freq. (kHz)	Capacitance (pF/ft)
Mutual Capacitance	1.000	21.800
Ground Capacitance	1.000	39.000

**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)
67.000

**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)
4.400

### 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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Revision Number: 0    Revision Date: 09-27-2017

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