

## METRIC MEASUREMENT VERSION

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. (mm)
2	28	7x36	TC - Tinned Copper	0.381

Total Number of Conductors:

4

**Insulation**

Insulation Material:

Insulation Material	Wall Thickness (mm)	Dia. (mm)
PVC - Polyvinyl Chloride	0.254	0.889

**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&amp;#37; Overlap, Min.

**Outer Jacket**

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	1.016

**Overall Cable**

Overall Nominal Diameter:

5.867 mm

**Pair**

Pair Color Code Chart:

Number	Color
1	BLACK-RED
2	BLACK-WHITE

**Mechanical Characteristics (Overall)**

Bulk Cable Weight: 49.111 Kg/Km

Max. Recommended Pulling Tension: 51.599 N

Min. Bend Radius/Minor Axis: 58.674 mm

Min. Bend/Installation: 58.674 mm

Min. Bend Radius (Continuous Flexing): 88.138 mm

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:

F-14

## Electrical Characteristics (Overall)

## Nom. Characteristic Impedance:

Description	Impedance (Ohm)
Characteristic Impedance	82.000

## Nom. Inductance:

Inductance (µH/m)
0.722

## Nom. Capacitance Cond. to Other Cond. &amp; Ground:

Description	Freq. (kHz)	Capacitance (pF/m)
Mutual Capacitance	1.000	71.526
Ground Capacitance	1.000	127.959

## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
219.827

## Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
14.436

## 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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